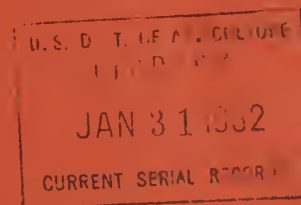


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(Part 4)
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TABULATIONS OF DHIA RECORDS OF
DAUGHTERS OF AI SIREs

IN THE
UNITED STATES

(Part 4)
(Pages 1 - 139, incl.)



Agricultural Research Service
United States Department of Agriculture

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TABULATIONS OF DHIA RECORDS OF DAUGHTERS OF AI SIRES IN THE UNITED STATES ¹

In this part of the AI Tabulations is Table 10. The contents of the table is indicated by the title of the table listed in the index on the back of the cover page.

These tabulations include the DHIA lactation records of all AI daughters of all sires reported to the Dairy Cattle Research Branch, AHRD, in AI service from 1939 through January 1, 1961, and the lactation records of 461, 100 daughters of 7, 618 AI sires reported to the Dairy Cattle Research Branch, AHRD, prior to May 1, 1961.

All production records used in these tabulations consist of 305-day lactation records standardized to a mature-equivalent twice-a-day milking basis. When more than one lactation record were available for a cow, each record was standardized and the average of all standardized records used to represent the production capacity of the cow.

Compilation of contemporary (herd-mate) and yearly-herd-average data are dependent on herd codes to assemble such data for each sire. Because a uniform system of identifying DHIA herds by code has been in operation for only a few years, lactation records and herd-average data reported in earlier years are not identified by herd codes. Tabulations for the older sires listed, therefore, may include little or no herd-mate or yearly-herd-average data.

¹/ AI Tabulations 1961 are in 5 parts (parts 1 and 3 are divided into 3 sections), published by Dairy Cattle Research Branch, Animal Husbandry Research Division, Agricultural Research Service.

ARTIFICIAL-BREEDING ORGANIZATIONS IN THE UNITED STATES

DHIA Proved-Sire Records, of sires in AB service, indicate by code number the last AB organization in which a sire is used. Following is a complete list of AB organizations that have operated in the United States (according to reports received in the Dairy Cattle Research Branch). Some no longer exist, but sires used in such organizations may be proved or reproved, in which case reference will be made to the organization in the proved-sire record.

STATE		ORGANIZATION		STATE		ORGANIZATION	
Name	Code	Code	Name	Name	Code	Code	Name
Maine	11	02	Androscoggin Valley ABA	Wisconsin	35	12	Trempealeau Co-op. ABA
Maine	11	03	Androscoggin Valley & Central Maine ABA	Wisconsin	35	13	Tri County ABA
Maine	11	04	Central Maine ABA	Wisconsin	35	05	*Tri State Co-op. ABA
Maine	11	01	*Maine Breeding Co-op. Inc.	Wisconsin	35	14	University of Wisconsin ABA
New Hampshire	12	01	New Hampshire ABA	Wisconsin	35	15	Vernon Co. Co-op. ABA
New Hampshire	12	03	*New Hampshire-Vermont ABA	Wisconsin	35	16	Wisconsin Experimental Breeding Project ABA
New Hampshire	12	02	Willow Spring ABA	Minnesota	41	19	Aitkin Co. ABA
Vermont	13	03	Agri. Experimental Sta. ABA	Minnesota	41	05	Barnum ABA
Vermont	13	01	Central Vermont ABA	Minnesota	41	06	Central Minnesota ABA
Vermont	13	02	Vermont Co-op. ABA Inc.	Minnesota	41	04	*Consolidated Breeders Co-op. ABA
Massachusetts	14	02	Bristol Co. Farm Bureau Inc. ABA	Minnesota	41	07	Floodwood Co-op. ABA
Massachusetts	14	01	Massachusetts ABA Inc.	Minnesota	41	20	Friendly Valley ABA
Rhode Island	15	01	Rhode Island Co-op. ABA Inc.	Minnesota	41	14	Land O'Lakes Creameries Inc. ABA
Connecticut	16	01	Connecticut ABA Inc.	Minnesota	41	01	*Minnesota Valley ABA
Connecticut	16	02	Fairfield-New Haven ABA	Minnesota	41	02	Minnesota Valley and Southern Minnesota ABA
Connecticut	16	03	Litchfield Co. ABA	Minnesota	41	08	North Minnesota ABA
Connecticut	16	04	*New England Selective ABA	Minnesota	41	21	North St. Louis Co. ABA
New York	21	03	Broome Co-op. ABA Inc.	Minnesota	41	03	Northwest Minnesota ABA
New York	21	02	Broome Tioga Co-op. ABA Inc.	Minnesota	41	22	Pine Co. ABA
New York	21	04	Cortland ABA Inc.	Minnesota	41	10	Roseau Co. Creameries ABA
New York	21	01	*New York Artificial Breeders Co-op. Inc.	Minnesota	41	17	Southern Minnesota Breeding Federation ABA
New York	21	05	Roundout ABA	Minnesota	41	18	Swinck AB Corp.
New York	21	06	Seneca Co-op. ABA Inc.	Minnesota	41	11	Tilney Farms ABA
New York	21	07	Sullivan Co. ABA	Minnesota	41	16	Watowan Truman Co-op. Creamery ABA
New Jersey	22	07	Burlington Co. ABA	Minnesota	41	13	West St. Louis Co. ABA
New Jersey	22	04	Morris Co. Co-op. ABA Inc.	Iowa	42	12	Willard Co-op. ABA
New Jersey	22	05	New Jersey Experiment Station ABA	Iowa	42	10	Crawford Co. ABA
New Jersey	22	03	*New Jersey Co-op. ABA Inc.	Iowa	42	02	*Eastern Iowa ABA Inc.
New Jersey	22	06	Plainsboro ABA	Iowa	42	04	Humbolt Co-op. ABA
New Jersey	22	01	*Sussex Co-op. ABA Inc.	Iowa	42	08	*Iowa Breeders Co-op. ABA
New Jersey	22	08	Walker-Gordon ABA	Iowa	42	03	Iowa Dairy Genetics Inc. ABA
Pennsylvania	23	03	Clarion Co. ABA	Iowa	42	05	Linn Co. Co-op. ABA
Pennsylvania	23	02	*First Pennsylvania Co-op. ABA	Iowa	42	06	North Iowa Co-op. ABA
Pennsylvania	23	06	Golden Genes ABA Inc.	Iowa	42	01	Northwest Iowa Co-op. ABA
Pennsylvania	23	07	*Lehigh Valley Co-op. ABA	Iowa	42	09	Palo Alto Co-op. ABA
Pennsylvania	23	04	*NEPA Co-op. ABA	Iowa	42	07	Western Iowa ABA
Pennsylvania	23	08	*Southeastern Pennsylvania Co-op. ABA	Missouri	43	09	AVA ABA
Pennsylvania	23	05	*Western Pennsylvania Co-op. ABA	Missouri	43	01	East Missouri ABA
Pennsylvania	23	01	Zimmerman Dairy Farm ABA	Missouri	43	02	*M. F. A. ABA
Ohio	31	01	*Central Ohio Breeding Association	Missouri	43	03	Mid West ABA
Ohio	31	05	Northeast Ohio Co-op. ABA	Missouri	43	04	Missouri Dairy Breeders ABA
Ohio	31	02	*Northern Ohio Breeding Association Inc.	Missouri	43	08	Osage Farms ABA
Ohio	31	06	Northwest Ohio ABA	Missouri	43	05	Southwest Missouri ABA
Ohio	31	03	Trumbull-Ashtabula ABA	Missouri	43	06	Trenton ABA
Ohio	31	04	Western Ohio ABA	South Dakota	46	01	South Dakota Co-op. ABA
Indiana	32	12	Bottema Farms ABA	Nebraska	47	09	Central Nebraska Non-stock Co-op. ABA Inc.
Indiana	32	03	Elkhart Co. ABA	Nebraska	47	07	Dairy Breeders Enterprise ABA
Indiana	32	04	Harrison ABA	Nebraska	47	03	Douglas Co-op. ABA
Indiana	32	08	Harry Rosenbury ABA	Nebraska	47	04	Lancaster Non-stock Co-op. Dairy ABA
Indiana	32	05	Indiana ABA	Nebraska	47	01	*Nebraska Dairy Breeders ABA
Indiana	32	13	Indianapolis Co-op. ABA	Nebraska	47	05	Norfolk Non-stock Co-op. ABA
Indiana	32	06	Indiana State Institutions ABA	Nebraska	47	06	University of Nebraska ABA
Indiana	32	02	*John A. Newman and Sons ABA	Kansas	48	01	*Kansas ABA
Indiana	32	07	LaPorte Co-op. ABA Inc.	Delaware	50	01	Delaware Co-op. ABA Inc.
Indiana	32	16	North Benton-Newton-Jasper ABA	Delaware	50	02	New Castle Co-op. ABA
Indiana	32	14	Producers Creamery ABA	Maryland	51	01	Maryland Co-op. ABA Inc.
Indiana	32	09	Ross Farm ABA	Maryland	51	02	*Maryland-West Virginia Co-op. ABA
Indiana	32	18	Southern Indiana ABA	Virginia	52	08	Blue Ridge ABA Inc.
Indiana	32	15	Steuben ABA	Virginia	52	10	Culpeper ABA Inc.
Indiana	32	11	Topeka ABA	Virginia	52	02	Franklin Co. ABA Inc.
Indiana	32	10	Walter H. Ball ABA	Virginia	52	03	Loudoun Co. ABA Inc.
Illinois	33	09	American Dairy Guernsey ABA	Virginia	52	06	North Va. Co-op. ABA Inc.
Illinois	33	04	Central Illinois ABA	Virginia	52	04	Pulaski Co-op. ABA
Illinois	33	03	*Curtiss Improved Stud Service Inc.	Virginia	52	09	Shenandoah Valley ABA
Illinois	33	05	Eastern Stephenson ABA	Virginia	52	07	Southeast Virginia ABA Inc.
Illinois	33	06	Inter Co. ABA	Virginia	52	05	Valley of Virginia Co-op. ABA Inc.
Illinois	33	01	*Northern Illinois Breeding Co-op.	Virginia	52	01	*Virginia ABA Inc.
Illinois	33	07	Shelby County ABA	West Virginia	54	01	West Virginia Co-op. ABA
Illinois	33	02	*Southern Illinois ABA	North Carolina	55	04	Forsyth Co. ABA
Illinois	33	08	Tri County ABA	North Carolina	55	01	*North Carolina Inst. Breeders ABA
Michigan	34	04	Grand Valley ABA	North Carolina	55	02	North Carolina State College ABA
Michigan	34	05	Hillsdale ABA	North Carolina	55	03	Southeastern ABA
Michigan	34	01	*Michigan Co-op. ABA Inc.	South Carolina	56	02	*Chester Co-op. ABA
Michigan	34	03	North Kent ABA	South Carolina	56	01	Clemson College ABA
Michigan	34	02	Zeeland ABA	South Carolina	56	03	South Carolina Co-op. ABA
Wisconsin	35	75	*American Breeders Service	Florida	58	01	Broward County ABA
Wisconsin	35	01	*Associated Breeding Service ABA Inc.	Kentucky	61	01	*Kentucky ABA Inc.
Wisconsin	35	02	*Badger Co-op. ABA	Tennessee	63	01	*East Tennessee ABA
Wisconsin	35	18	Central Wisconsin Co-op. ABA	Tennessee	63	04	Maury-Williamson ABA Inc.
Wisconsin	35	20	Clark County ABA	Tennessee	63	02	*Tennessee ABA
Wisconsin	35	07	Clinton Stock Farm ABA Inc.	Tennessee	63	03	*West Tennessee ABA
Wisconsin	35	08	Dane Co-op. ABA	Alabama	64	01	Alabama ABA
Wisconsin	35	09	*East Central Co-op. ABA	Alabama	64	02	Marshall Co. ABA
Wisconsin	35	03	Langlade Co. ABA				
Wisconsin	35	19	*Piper Brothers Farm ABA				
Wisconsin	35	04	Polk Co. Co-op. ABA				
Wisconsin	35	10	Rock Co. ABA				
Wisconsin	35	11	Southern Wisconsin Co-op. ABA				
Wisconsin	35	06					

*Indicates those AB Organizations reported in operation January 1, 1961.

STATE		ORGANIZATION		STATE		ORGANIZATION	
Name	Code	Code	Name	Name	Code	Code	Name
Mississippi	65	01	Hinds Rankin ABA	Arizona	86	01	Arizona ABA
Mississippi	65	08	Noxubee Co. ABA	Arizona	86	02	*Eads ABA
Mississippi	65	06	Mid South ABA	Arizona	86	03	News ABA
Mississippi	65	02	*Mississippi Co-op. ABA	Utah	87	01	*Cache Valley Co-op. ABA
Mississippi	65	03	Pike Co-op. ABA	Utah	87	02	Weber Co. ABA
Mississippi	65	05	South Mississippi Co-op. ABA	Washington	91	08	Clark Co. ABA
Mississippi	65	07	Tippah Co. Fair and Livestock ABA	Washington	91	02	Colville Valley ABA
Mississippi	65	04	Tupelo ABA	Washington	91	07	Ed. P. Peterson ABA
Arkansas	71	01	*Arkansas ABA	Washington	91	01	*Evergreen Northwest Breeders ABA Inc.
Louisiana	72	01	*Louisiana AB Co-op. Inc.	Washington	91	09	Farwest ABA
Louisiana	72	02	Northern Louisiana Jersey ABA	Washington	91	03	Mt. Rainier ABA
Oklahoma	73	01	Eastern Oklahoma ABA	Washington	91	06	Northeast Co-op. ABA
Oklahoma	73	02	Northwestern Oklahoma ABA	Washington	91	05	Northwest Co-op. ABA
Oklahoma	73	03	Oklahoma Dairy Breeders ABA	Washington	91	04	Walla Walla Valley Co-op. ABA
Texas	74	09	Cameron Co. ABA	Oregon	92	02	Multnomah ABA
Texas	74	08	Hill Co. ABA	Oregon	92	01	*Oregon Dairy Breeders Association
Texas	74	07	Muenster ABA	Oregon	92	03	Yamhill Co. ABA
Texas	74	04	North Star ABA	California	93	02	*Adohr Dairy Farms ABA
Texas	74	02	North Texas ABA	California	93	01	*California Dairy ABA
Texas	74	05	Rio Vista ABA	California	93	03	*Excelsior ABA
Texas	74	01	*Texas A & M College ABA	California	93	04	Golden West ABA Inc.
Texas	74	03	Texas Tech ABA	California	93	05	*Jessup Breeders
Montana	81	01	Western Montana ABA	California	93	10	*Pacific Breeders Co-op. Inc.
Idaho	82	01	Bluffview Farm ABA	California	93	11	Sacramento Co-op. ABA
Idaho	82	03	New Plymouth ABA	California	93	07	San Pasqual ABA Inc.
Idaho	82	02	Shamrock ABA	California	93	06	Santa Clara ABA
Colorado	84	04	Brookridge Farm Dairy ABA	California	93	08	Sonoma Marin Co-op. ABA Inc.
Colorado	84	01	*Colorado State University ABS	California	93	09	Tulare Co-op. ABA
Colorado	84	02	North Central Colorado ABA	Puerto Rico	94	01	*Puerto Rico ABA
Colorado	84	05	Surface Creek ABA	Hawaii	95	03	*Haleakala Dairy Farm ABA
Colorado	84	03	Willow Springs ABA	Hawaii	95	02	Moanalua Dairy Ltd. ABA
New Mexico	85	01	New Mexico ABA	Hawaii	95	01	Waimea Dairy ABA
				Alaska	96	01	*Matanuska Valley ABA

*Indicates those AB organizations reported in operation January 1, 1961.

STATE CODES

11	MAINE	55	NORTH CAROLINA
12	NEW HAMPSHIRE	56	SOUTH CAROLINA
13	VERMONT	57	GEORGIA
14	MASSACHUSETTS	58	FLORIDA
15	RHODE ISLAND	61	KENTUCKY
16	CONNECTICUT	63	TENNESSEE
21	NEW YORK	64	ALABAMA
22	NEW JERSEY	65	MISSISSIPPI
23	PENNSYLVANIA	71	ARKANSAS
31	OHIO	72	LOUISIANA
32	INDIANA	73	OKLAHOMA
33	ILLINOIS	74	TEXAS
34	MICHIGAN	81	MONTANA
35	WISCONSIN	82	IDAHO
41	MINNESOTA	83	WYOMING
42	IOWA	84	COLORADO
43	MISSOURI	85	NEW MEXICO
45	NORTH DAKOTA	86	ARIZONA
46	SOUTH DAKOTA	87	UTAH
47	NEBRASKA	88	NEVADA
48	KANSAS	91	WASHINGTON
50	DELAWARE	92	OREGON
51	MARYLAND	93	CALIFORNIA
52	VIRGINIA	94	PUERTO RICO
54	WEST VIRGINIA	95	HAWAII
		96	ALASKA

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
000	GUERNSEY	1947	14	6355	4.9	305						
		1948	4	7823	4.9	375						
		1949	3	7013	5.3	363						
		1950	4	7233	5.0	358						
		1951	1	6670	4.7	318						
		1953	1	5790	5.1	294						
	HOLSTEIN	1947	77	12436	3.7	454	6	11902	431			
		1948	13	12748	3.6	458	1	12950	485			
		1949	12	12327	3.6	437	1	10170	373			
		1950	8	12156	3.6	465	2	11850	416			
		1951	9	14254	3.6	513	1	11550	456			
		1952	4	14305	3.8	551	1	10440	419			
		1953	6	12382	3.5	437	3	11000	429	2	7778	384
		1954	3	16657	3.8	623	2	11410	444	2	11047	442
		1955	2	15110	3.7	551	1	12310	471	1	11728	441
		1956	1	18920	3.7	696						
	JERSEY	1947	38	7104	5.4	385						
		1948	15	7977	5.2	417	1	8930	452			
		1949	9	7780	4.9	375	3	8630	445			
		1950	1	4240	6.0	256						
		1951	2	8645	5.2	465	2	8075	413			
		1953	4	7518	5.4	401	2	8380	464	2	8165	428
		1954	2	8185	5.0	437	1	6320	346	1	6616	340
		1955	3	6797	4.6	509	3	5997	296	2	7456	365
	ALL BREEDS	1947	129	10206	4.3	417	6	11902	431			
		1948	32	9896	4.5	428	2	10940	469			
		1949	24	9958	4.3	405	4	9015	427			
		1950	13	10402	4.2	416	2	11850	416			
		1951	12	12723	3.7	488	3	9233	427			
		1952	4	14305	3.8	551	1	10440	419			
		1953	11	10014	4.3	411	5	9952	443	4	8971	406
		1954	5	13496	4.3	548	3	9713	411	3	9570	408
		1955	5	10122	4.2	405	4	7575	340	3	6860	390
		1956	1	18920	3.7	696						
001	GUERNSEY	1947	101	7099	4.9	344	2	8235	316			
		1948	51	7064	4.9	343	3	9177	405			
		1949	102	7835	4.8	378	14	8599	405			
		1950	197	7543	4.9	368	43	8509	406			
		1951	299	7397	4.9	361	105	8180	386			
		1952	439	7469	4.9	369	226	8220	387			
		1953	536	7485	4.9	370	434	8140	385	355	8223	388
		1954	634	7535	5.0	372	603	8167	386	546	8118	388
		1955	587	7670	4.9	375	565	8575	400	530	8601	405
		1956	464	7919	4.9	389	437	9065	420	465	8887	417
		1957	316	8136	4.9	398	287	9429	439	275	9012	423
		1958	285	8379	4.9	411	237	9194	426	230	9245	432
		1959	354	8661	4.8	419	326	9299	427	298	9666	444
		1960	66	8939	4.7	423	57	9298	431	25	9896	462
	HOLSTEIN	1947	212	10374	3.6	377	5	12308	429			
		1948	206	10956	3.7	406	23	12517	451			
		1949	275	11104	3.7	412	37	12337	469			
		1950	391	11197	3.7	419	93	11889	455			
		1951	474	10682	3.7	398	163	11398	430			
		1952	631	10840	3.6	408	327	11007	418			
		1953	939	10717	3.8	404	721	10753	412	540	10372	399
		1954	1260	10926	3.8	412	1147	10976	421	1080	10416	404
		1955	1427	11418	3.8	434	1327	11490	445	1220	10831	419
		1956	1432	11566	3.8	438	1297	11773	455	1212	11211	436
		1957	1361	11827	3.8	445	1177	12096	463	1099	11408	444
		1958	1670	12496	3.8	471	1423	12368	477	1347	12092	466
		1959	2011	12465	3.8	470	1946	12043	464	1628	12366	478
		1960	492	12378	3.8	462	455	11889	454	237	12624	487
	JERSEY	1947	54	7171	5.2	375	2	6585	350			
		1948	75	7480	5.2	388	5	7790	395			
		1949	122	7565	5.3	399	12	8507	459			
		1950	191	7727	5.3	407	33	8375	461			
		1951	274	7629	5.3	405	63	7803	420			
		1952	346	7627	5.2	398	94	7965	421			
		1953	417	7506	5.3	395	142	7658	401	119	7940	418
		1954	435	7578	5.3	400	155	7809	412	146	7744	406
		1955	430	7649	5.2	399	160	7974	415	144	7842	409
		1956	363	7823	5.2	407	169	8136	424	151	7993	415
		1957	267	7986	5.2	410	112	8098	422	94	8049	420
		1958	424	8542	5.2	442	164	8424	437	182	8701	451
		1959	560	8280	5.2	428	327	8406	437	345	8941	455
		1960	122	7854	5.1	402	53	8097	412	49	9258	459

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE'S IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-LAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
		1951	47	9718	4.4	410	14	10316	435			
		1952	36	9311	4.4	393	13	10643	440			
		1953	32	8947	4.5	387	21	9631	414	19	9510	407
		1954	20	9747	4.4	414	17	9165	413	16	9002	420
		1955	14	9718	4.5	433	12	9873	432	11	10077	428
		1956	6	9088	4.6	412	5	9228	419	4	9641	420
		1957	6	10293	4.4	439	5	10856	460	4	11559	482

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF GIRLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUO	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE			
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	FAT LB.	
000	AYRSHIRE	1947	12	8664	4.5	390							
		1948	1	10250	4.4	455							
		1949	2	9950	4.4	436							
		1950	1	7900	4.3	337							
	GUERNSEY	1948	5	8158	5.1	414							
		1949	2	10790	4.9	527							
		1950	1	10940	5.0	547							
		1951	2	9800	5.0	489							
		1952	3	9070	4.7	456							
		1953	2	9785	4.6	449							
		1955	1	10530	4.9	519							
		1956	1	8800	4.9	428							
	HOLSTEIN	1947	4	9785	5.4	337							
		1948	1	11620	5.4	395							
	ALL BREEDS	1947	16	8944	4.2	377							
		1948	7	8951	4.8	417							
		1949	4	10370	4.6	481							
		1950	2	9420	4.7	442							
		1951	2	9800	5.0	489							
		1952	3	9070	4.7	430							
		1953	2	9785	4.6	449							
		1955	1	10530	4.9	519							
		1956	1	8800	4.9	428							
	001	AYRSHIRE	1949	1	7770	3.8	294						
			1950	1	9030	4.6	413						
			1951	1	10190	4.6	465	1	11590	471			
			1952	3	9003	4.6	412	2	9040	373			
			1953	2	8715	4.6	401	1	8130	358	1	8644	376
1954			1	10380	4.0	414	1	8780	354	1	8764	348	
1955			1	11080	4.5	499	1	9550	392	1	8764	348	
1956			1	13950	4.3	595	1	10160	428	1	9243	387	
1957			1	10890	4.2	461	1	9300	385	1	10279	433	
1958			1	10760	4.2	449	1	10890	437	1	9559	386	
1959			1	15580	4.2	647	1	11410	465	1	11503	446	
GUERNSEY			1949	18	7839	5.1	396	2	7880	383			
			1950	35	7819	4.9	384	5	7790	383			
		1951	80	7935	4.9	390	17	8240	402				
		1952	165	8146	4.9	395	53	8863	406				
		1953	225	8186	4.8	393	117	8731	397	109	8621	396	
		1954	234	8163	4.6	389	156	8691	399	125	8655	399	
		1955	180	8326	4.8	400	120	9097	416	119	8835	403	
		1956	163	8122	4.7	386	94	9201	420	94	8840	406	
		1957	123	8602	4.8	411	83	9656	438	80	9445	422	
		1958	74	8953	4.7	427	42	9617	445	58	9598	444	
		1959	43	9555	4.7	447	34	9363	441	31	9660	455	
		1960	8	8155	4.4	366	7	8217	383	4	8290	375	
		HOLSTEIN	1947	5	13562	5.6	488						
1948			45	10046	5.7	372	2	11380	461				
1949			150	11065	5.7	404	51	12556	448				
1950			157	11117	5.7	407	61	11900	432				
1951			259	10926	5.7	402	82	11102	416				
1952	313		11376	5.7	420	133	11548	429					
1953	297		11270	5.7	415	171	11110	413	119	10747	401		
1954	353		11141	5.7	412	218	11236	419	190	11002	410		
1955	369		11411	5.8	430	232	11264	425	205	10975	407		
1956	327		11574	5.8	436	210	11596	438	192	11189	426		
1957	287		12171	5.8	459	190	12089	458	184	11640	444		
1958	218		12590	5.8	468	172	11935	457	156	11879	457		
1959	164		12440	5.8	471	156	12017	460	158	12067	464		
1960	25		12061	5.8	459	23	11428	451	19	12372	481		
JERSEY	1947	15	6478	5.3	344								
	1948	5	7664	5.1	384	1	6450	366					
	1949	22	8008	5.1	404	4	6353	317					
	1950	70	7402	5.1	376	11	7056	354					
	1951	157	7469	5.2	384	21	7531	383					
	1952	278	7581	5.2	395	36	7863	395					
	1953	336	7704	5.2	401	50	7761	398	46	7701	395		
	1954	369	7490	5.2	388	60	7897	413	59	7973	412		
	1955	306	7788	5.2	404	61	7999	412	56	7856	399		
	1956	231	7720	5.2	404	51	8157	429	45	7664	402		
	1957	161	7971	5.2	415	32	9037	475	34	8053	416		
	1958	81	8566	5.2	447	28	8908	461	34	8600	445		
	1959	55	8433	5.1	430	28	8298	430	37	8413	424		
	1960	13	8245	5.3	445	9	8943	473	5	9716	490		
ALL BREEDS	1947	20	8249	4.9	380								
	1948	50											

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF GIRLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE				
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.		
001	HOLSTEIN	1949	171	10313	4.0	402	37	11633	430					
		1950	263	9681	4.2	396	78	10949	419					
		1951	477	9255	4.4	394	121	10073	408					
		1952	759	9275	4.5	405	224	10298	417					
		1953	860	9064	4.6	404	339	9786	405	275	9387	398		
		1954	957	9004	4.5	397	417	9908	411	375	9737	407		
		1955	856	9467	4.5	414	414	10151	420	381	9842	404		
		1956	722	9565	4.5	415	356	10467	432	332	10040	417		
		1957	572	10219	4.4	436	366	11101	454	299	10640	435		
		1958	374	10878	4.3	455	243	11181	455	231	11011	453		
		1959	263	11142	4.2	459	221	11135	453	227	11140	456		
		1960	46	10303	4.4	439	39	10278	444	28	11315	467		
		002	GUERNSEY	1948	1	5550	5.1	294						
				1949	3	7527	4.6	348						
				1950	1	6630	4.9	327						
				1951	3	6470	5.1	329						
				1952	3	6650	4.7	312						
1953	2			8205	4.9	392								
1954	2			6240	4.8	299								
1955	2			7190	4.7	338								
	ALL BREEDS	1948	1	5550	5.1	284								
		1949	3	7527	4.6	348								
		1950	1	6630	4.9	327								
		1951	3	6470	5.1	329								
		1952	3	6650	4.7	312								
		1953	2	8205	4.9	392								
		1954	2	6240	4.8	299								
		1955	2	7190	4.7	338								
003	AYRSHIRE	1949	7	8269	4.6	378	1	8090	312					
		1950	5	7604	4.4	331	1	7890	299					
		1951	4	7390	4.4	324	1	7970	299					
		1952	6	7715	4.4	336	1	8540	331					
		1953	4	8243	4.3	357	2	7815	331	2	7543	360		
		1954	4	7985	4.2	331	2	8115	339	2	7837	333		
		1955	3	7777	4.3	333								
		1956	1	8830	4.2	367	1	9210	379	1	9548	396		
		GUERNSEY	1956	1	8310	3.9	326	1	8506	370	1	8415	348	
			1949	1	7590	5.1	384							
			1950	3	7717	4.8	367							
			1951	9	7791	4.9	377	3	7557	373				
			1952	23	7854	4.7	370	10	8366	401				
			1953	39	8207	4.7	388	20	8494	380	17	8348	375	
			1954	84	8070	4.6	370	42	8717	379	41	8574	380	
			1955	162	7937	4.7	374	78	8968	399	76	8625	384	
			1956	152	8255	4.7	390	88	9207	404	83	9064	397	
	HOLSTEIN	1957	131	8284	4.7	387	79	9891	431	86	9510	404		
		1958	104	8615	4.7	401	56	9674	427	54	9630	428		
		1959	111	8816	4.6	405	96	9375	412	89	9165	421		
		1960	26	8203	4.6	373	23	9948	486	17	10159	432		
		1948	1	11980	3.1	375	1	12260	430					
		1949	8	11695	3.4	374	1	13610	475					
		1950	31	10920	3.8	412	11	11147	408					
		1951	49	10548	3.9	406	21	10765	392					
		1952	123	11213	3.8	428	47	11405	421					
004	JERSEY	1953	263	11486	3.8	437	146	11491	424	130	11271	421		
		1954	476	10695	3.8	404	255	11186	419	237	10675	408		
		1955	749	10894	3.9	418	407	11296	430	369	10869	407		
		1956	838	11038	3.8	422	450	11661	442	424	11077	423		
		1957	862	11535	3.9	444	447	12024	459	456	11225	431		
		1958	1069	12114	3.9	471	829	12163	469	759	12007	461		
		1959	1538	12279	3.9	478	1486	12182	472	1443	12232	473		
		1960	320	11655	3.9	449	292	11696	456	246	12082	468		
			ALL BREEDS	1947	1	8320	5.5	456						
				1948	1	9510	5.7	546						
				1949	5	9394	5.0	490						
				1951	21	7994	5.1	404	2	7060	354			
				1952	75	8219	5.2	425	7	8760	448			
				1953	124	8266	5.3	439	20	8135	406	14	7848	409
				1954	183	7697	5.3	406	22	7880	416	21	7797	401
				1955	163	7661	5.3	404	36	7721	371	35	7855	388
				1956	137	8020	5.2	417	25	8126	421	26	8071	411
1957	143			8178	5.3	430	49	8058	427	56	8014	417		
1958	236			8711	5.2	452	165	8663	460	161	8337	439		
	ALL BREEDS	1959	342	8849	5.3	463	218	8971	451	243	8820	454		
		1960	101	8667	5.2	449	66	8442	455	54	8750	446		
		1947	1	8320	5.5	456								
1948	1	11980	3.1	375										
1949	17				1	12260	430							

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	305-DAY CONTEMPORARY				AV. FAT LB.	YEARLY HERD AVERAGE		
			RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.		RECORDS NO.	MILK LB.	FAT LB.
		1950	44	10208	4.0	409	12	10876	399	
		1951	83	9450	4.3	398	27	10631	382	
		1952	227	9791	4.4	416	65	10609	419	
		1953	430	10230	4.3	432	188	10776	417	163 10626 414
		1954	747	9651	4.3	400	321	10619	413	301 10327 403
		1955	1077	9754	4.2	409	521	10701	423	482 10286 402
		1956	1128	10294	4.1	417	564	11117	435	536 10612 418
		1957	1136	10738	4.1	436	575	11323	452	580 10684 426
		1958	1410	11284	4.2	462	721	11648	465	715 11463 456
		1959	1991	11497	4.2	471	1600	11595	466	1780 11613 468
		1960	447	10779	4.2	444	361	11027	454	317 11412 462
005	AYRSHIRE	1957	2	9210	4.0	366	2	9080	370	2 9365 375
		1958	1	8460	3.9	332	1	8400	355	1 9734 423
		1959	3	9110	3.8	346	3	9010	364	3 8673 352
		1960	3	6953	3.9	279	2	8945	360	3 9051 367
	GUERNSEY	1959	1	9550	4.6	436	1	7800	388	1 8829 424
ALL BREEDS		1957	2	9210	4.0	366	2	9080	370	2 9365 375
		1958	1	8460	3.9	332	1	8400	355	1 9734 423
		1959	4	9220	4.0	369	4	8728	370	4 3712 370
		1960	3	6953	3.9	279	2	8945	360	3 9051 367

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE			
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.	
000	GUERNSEY	1947	11	6609	4.8	318							
		1948	1	3810	6.0	230							
		1949	1	6320	4.4	280							
	ALL BREEDS	1947	11	6609	4.8	318							
		1948	1	3810	6.0	230							
		1949	1	6320	4.4	280							
001	HOLSTEIN	1947	1	11190	3.7	411							
		1948	1	12020	3.6	431							
		1949	3	9467	3.6	343							
		1950	3	10020	3.6	353							
		1951	3	9597	3.5	339							
		1952	1	9260	3.4	312							
		1953	2	12615	3.8	460							
		1954	1	6690	3.5	235							
		1957	1	8470	3.3	277	1	12790	432	1	13451	453	
		1958	21	11473	3.6	430	18	10972	439	17	11053	441	
		1959	30	10878	3.7	399	30	10731	420	26	11184	423	
		1960	3	10660	3.6	379	2	9070	335	5	11525	409	
		JERSEY	1949	7	7153	5.2	372						
			1950	16	7085	5.6	389						
	1951		27	7490	5.5	408							
	1952		57	7608	5.4	411	1	12030	617				
	1953		143	7701	5.3	409	18	7902	423	16	8051	431	
	1954		196	7436	5.2	389	26	8018	429	22	8308	445	
	1955		238	7402	5.1	379	19	7838	420	20	8170	437	
	1956		228	7381	5.1	376	17	8581	454	19	7977	417	
	1957		204	8052	5.2	414	32	9092	480	44	8849	436	
	1958		230	8071	5.2	422	111	8385	444	126	8809	456	
	1959		265	8119	5.2	420	168	8255	431	209	8878	446	
	1960		59	7928	5.2	413	41	8640	433	37	8776	442	
	ALL BREEDS	1947	1	11190	3.7	411							
		1948	1	12020	3.6	431							
1949		10	7847	4.7	363								
1950		19	7548	5.2	384								
1951		30	7701	5.3	401								
1952		58	7637	5.4	409	1	12030	617					
1953		145	7768	5.3	410	18	7902	423	16	8051	431		
1954		197	7432	5.2	388	26	8018	429	22	8308	445		
1955		238	7402	5.1	379	19	7838	420	20	8170	437		
1956		228	7381	5.1	376	17	8581	454	19	7977	417		
1957		205	8054	5.1	414	33	9204	478	45	8951	436		
1958		251	8356	5.1	423	129	8746	444	143	9076	454		
1959	295	8400	5.0	418	198	8661	429	237	9151	443			
1960	62	8060	5.2	411	43	8660	428	40	8982	439			
002	AYRSHIRE	1947	8	7688	4.2	326							
		1948	14	8461	4.1	349							
		1949	26	9331	4.2	395	1	8110	353				
		1950	27	8941	4.2	374	5	9588	412				
		1951	20	10281	4.1	426	6	10080	409				
		1952	17	9947	4.2	420	5	9364	383				
		1953	15	10019	4.1	403	6	9040	365	3	9618	401	
		1954	10	9753	4.1	397	4	9745	403	4	9023	369	
		1955	11	10268	4.1	417	4	9620	386	4	9352	363	
		1956	4	10250	4.1	416	3	11493	477	2	9205	368	
		1957	2	12105	3.9	474	1	14400	606				
		GUERNSEY	1947	58	7223	4.6	329						
			1948	28	7826	4.5	349						
			1949	28	8096	4.5	362						
	1950		16	7796	4.6	356							
	1951		20	7966	4.5	359							
	1952		16	8070	4.6	370							
	1953		14	8390	4.6	386							
	1954		6	9060	4.7	428							
	1955		3	10680	4.7	506							
	1956		1	8440	5.1	427							
	HOLSTEIN		1947	33	10141	3.9	392						
			1948	29	9841	3.8	374						
		1949	26	9919	3.7	364	1	13190	427				
		1950	26	11158	3.7	415	2	11515	438				
		1951	21	11630	3.8	444	2	10855	403				
1952		20	11724	3.7	436	2	11490	442					
1953		17	12931	3.8	495	2	12900	486	1	11369	409		
1954		6	12983	3.7	476	1	11320	415	1	12208	441		
1955		7	13586	3.9	531	2	12540	467	2	11778	434		
1956		7	15201	3.6	553	2	12755	479	2	12624	475		
1957		5	13770	3.6	491	1	13470	515	1	12077	461		

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
	JERSEY	1947	22	6633	5.2	342						
		1948	16	7580	5.1	364						
		1949	12	8036	5.1	410						
		1950	14	7711	5.2	396						
		1951	7	8117	5.1	416						
		1952	8	8174	5.2	430						
		1953	5	8898	5.3	479						
		1954	3	6773	5.0	353						
		1955	3	7817	5.2	417						
		1956	2	8485	5.1	433						
		1957	1	9990	5.0	502						
	ALL BREEDS	1947	121	7942	4.5	348						
		1948	87	8555	4.3	364						
		1949	92	8952	4.3	378	2	10650	390			
		1950	83	9207	4.3	387	7	10139	420			
		1951	68	9794	4.3	411	8	10274	408			
		1952	61	9805	4.3	413	7	9971	400			
		1953	51	10433	4.2	438	6	10005	395	4	10056	403
		1954	25	10028	4.2	419	5	10060	405	5	9660	383
		1955	24	10981	4.2	461	6	10593	413	6	10161	400
		1956	14	12344	4.1	487	5	11998	478	4	11015	421
		1957	8	12881	3.8	488	2	13935	581	1	12077	461
003	JERSEY	1947	1	4700	5.1	243						
		1948	1	5750	4.8	277						
		1949	1	6070	5.1	308						
		1950	2	4240	5.3	222						
		1951	2	5405	4.9	264						
	ALL BREEDS	1947	1	4700	5.1	243						
		1948	1	5750	4.8	277						
		1949	1	6070	5.1	308						
		1950	2	4240	5.3	222						
		1951	2	5405	4.9	264						

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE			
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AVERAGE FAT LB.	
000	AYRSHIRE	1947	1	10600	4.1	430							
		1948	4	7808	4.1	319							
		1949	4	8733	4.0	345							
		1950	14	10879	4.0	434							
		1951	11	10475	3.9	412							
		1952	7	10369	3.9	407							
	GUERNSEY	1947	3	8313	4.7	392							
		1948	1	7310	4.8	353							
		1949	2	9255	4.9	456							
		1950	1	8210	5.1	416							
		1951	6	7657	4.9	374	2	7960	328				
		1952	7	7286	4.9	356	3	8953	371				
		1953	5	6994	4.8	330	4	8338	353	4	8061	358	
		1954	2	6970	4.8	333	2	6770	314	2	7063	330	
		1955	3	7973	4.5	354	3	10917	411	3	9632	382	
		1956	3	6997	4.5	316	3	9510	383	3	9806	405	
	1957	1	7100	4.3	305	1	9230	428	1	9614	452		
	HOLSTEIN	1947	33	10697	3.7	396							
		1948	18	13241	3.7	484							
		1949	10	13592	3.6	484	2	15360	586				
		1950	13	14423	3.5	495							
		1951	6	15472	3.2	498	1	15200	544				
		1952	6	15798	3.2	512	2	15810	576				
		1953	1	15560	3.1	485	1	14690	516	1	16208	584	
		1954	2	13885	3.1	421	2	14835	497	2	15227	538	
	ALL BREEDS	1947	37	10501	3.8	396							
		1948	23	12038	3.8	450							
		1949	16	11835	3.8	445	2	15360	586				
		1950	28	12429	3.8	462							
		1951	23	11043	4.0	425	3	10373	400				
		1952	20	10919	4.1	421	5	11676	453				
		1953	6	8422	4.5	356	5	9608	385	5	9690	403	
		1954	4	10428	3.9	377	4	10803	405	4	11145	434	
		1955	3	7973	4.5	354	3	10917	411	3	9632	382	
		1956	3	6997	4.5	316	3	9510	383	3	9806	405	
	1957	1	7100	4.3	305	1	9230	428	1	9614	452		
	001	AYRSHIRE	1947	20	10225	4.0	407						
			1948	20	9497	4.0	376						
			1949	43	9604	4.1	388	5	9224	391			
			1950	126	9424	4.1	388	22	9168	371			
1951			235	8922	4.1	368	71	9567	388				
1952			363	8929	4.1	368	150	9272	379				
1953			575	9050	4.1	375	347	9153	375	306	8907	366	
1954			754	8930	4.2	371	475	9091	375	426	8987	369	
1955			834	9040	4.1	374	545	9104	375	489	8967	369	
1956			721	9237	4.1	380	491	9522	390	439	9369	386	
1957			617	9749	4.1	400	452	9948	407	415	9719	397	
1958			611										

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
	JERSEY	1949	1	4700	5.2	243						
		1950	1	7860	5.3	418						
		1951	10	6702	5.5	365	3	6893	505			
		1952	36	7609	5.4	410	13	8352	441			
		1953	63	7704	5.3	408	26	7770	415	26	7990	420
		1954	68	7329	5.3	389	23	7997	426	26	7975	423
		1955	69	7638	5.3	407	20	8134	433	26	8231	437
		1956	55	7591	5.2	391	24	7975	412	21	7895	416
		1957	50	8116	5.2	420	18	8823	454	19	8404	425
		1958	114	8217	5.2	421	55	8577	452	67	8871	461
		1959	143	7830	5.3	409	78	8294	429	109	8982	451
		1960	28	7756	5.1	396	18	8561	448	24	9522	467
	BROWN SWISS	1950	1	15530	4.3	665						
		1951	5	12506	4.4	548						
		1952	16	10568	4.4	466	7	11653	482			
		1953	60	11131	4.1	460	20	10972	461	12	10505	452
		1954	85	10669	4.3	453	25	10804	453	14	10856	466
		1955	118	10637	4.1	439	45	10570	442	43	10510	436
		1956	115	9949	4.1	408	44	10501	431	39	10614	441
		1957	122	10662	4.1	441	35	10486	436	35	11577	473
		1958	215	11452	4.1	474	73	10498	439	72	10556	430
		1959	187	11057	4.2	463	109	10664	448	111	10044	422
		1960	47	8934	4.1	371	26	7708	331	32	9237	394
	ALL BREEDS	1947	74	11390	3.7	423	3	6610	270			
		1948	76	10356	3.9	393	7	11006	401			
		1949	158	10991	3.9	421	25	10876	449			
		1950	495	10428	4.1	418	128	10759	431			
		1951	967	9932	4.1	396	376	10427	420			
		1952	1668	9972	4.1	399	920	10526	419			
		1953	2510	10077	4.1	407	1867	10407	411	1698	10351	410
		1954	3183	10064	4.1	400	2420	10492	413	2227	10514	416
		1955	3666	10199	4.0	404	2768	10606	417	2554	10416	411
		1956	3305	10629	4.0	417	2522	11255	439	2569	11018	434
		1957	3079	11186	4.0	435	2334	11573	452	2169	11439	449
		1958	3341	11591	4.0	456	2756	11516	454	2466	11822	463
		1959	3756	11536	4.0	454	3498	11398	448	3312	11750	463
		1960	691	10874	4.0	428	597	10873	429	548	11788	467
002	AYRSHIRE	1955	2	9570	4.5	421	2	10575	411	1	8971	373
		1956	8	9131	4.1	380	6	9110	351	6	8070	325
		1957	7	8016	4.0	323	6	9303	365	6	9036	349
		1958	3	6907	3.6	249	3	8710	330	2	7788	289
		1959	1	6300	4.1	260	1	11100	438	1	9570	387
		1960	1	10110	3.6	363	1	13490	535	1	10551	417
	GUERNSEY	1947	2	8370	4.6	380						
		1948	1	8150	5.0	406						
		1949	2	7780	4.8	370						
	ALL BREEDS	1947	2	8370	4.6	380						
		1948	1	8150	5.0	406						
		1949	2	7780	4.8	370						
		1955	2	9570	4.5	421	2	10575	411	1	8971	373
		1956	8	9131	4.1	380	6	9110	351	6	8070	325
		1957	7	8016	4.0	323	6	9303	365	6	9036	349
		1958	3	6907	3.6	249	3	8710	330	2	7788	289
		1959	1	6300	4.1	260	1	11100	438	1	9570	387
		1960	1	10110	3.6	363	1	13490	535	1	10551	417

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
001	AYKSHIRE	1952	9	9889	4.2	408						
		1953	13	9990	4.2	417	2	12045	507			
		1954	14	9527	4.1	395	3	11690	478	2	11091	462
		1955	13	9760	4.1	396	3	11630	480	3	11205	469
		1956	5	10316	4.2	438	2	11220	446	2	10813	448
		1957	2	11395	4.0	460	1	11730	461	1	11532	451
		1958	4	9355	4.1	379	4	12145	488	1	12241	499
		1959	6	10582	4.0	426	5	10342	406	6	10995	437
		1960	1	9150	4.0	365				1	11053	468
	GUERNSEY	1951	2	9010	4.3	435						
		1952	8	7825	5.1	404	2	8000	397			
		1953	11	7945	5.0	394	8	9264	423	3	7972	381
		1954	27	8519	4.8	406	19	9597	432	16	9298	429
		1955	19	8013	4.9	392	17	9182	429	14	8894	406
		1956	16	8072	5.0	403	9	9476	435	6	8724	404
		1957	14	8146	4.9	398	10	9607	446	10	8654	414
		1958	9	8498	5.0	423	6	7965	345	4	9153	409
		1959	6	9692	4.9	482	6	9643	441	3	9251	416
	HOLSTEIN	1949	7	10659	4.0	430	2	10060	370			
		1950	12	12040	3.9	465	4	15338	532			
		1951	9	12791	3.8	489	3	14647	519			
		1952	11	12411	4.0	494	4	13388	513			
		1953	37	11038	4.0	437	6	12732	529	2	12971	481
		1954	58	11811	4.0	467	19	10831	439	17	11074	443
		1955	54	11607	3.9	450	20	11577	441	19	11037	418
		1956	33	12110	3.9	468	10	12475	456	7	13227	483
		1957	45	12864	3.8	487	23	12593	473	21	12209	458
		1958	73	12911	3.8	485	55	12992	467	35	12520	481
		1959	112	12747	3.8	480	106	12526	468	91	12425	467
		1960	21	11396	3.7	423	17	11431	432	15	12092	462
	JERSEY	1952	1	6790	4.6	311						
		1953	7	8247	5.7	469						
		1954	6	9057	5.4	492	1	8090	439			
		1955	3	7997	5.7	452	1	8110	454	1	8578	463
		1956	2	5600	5.2	289						
		1957	1	9420	5.2	491						
		1959	2	8455	5.2	442				1	8938	486
ALL BREEDS		1949	7	10659	4.0	430	2	10060	370			
		1950	12	12040	3.9	465	4	15338	532			
		1951	11	12104	4.0	479	3	14647	519			
		1952	29	10169	4.4	436	6	11592	474			
		1953	68	10050	4.4	430	17	10746	471	5	9771	421
		1954	105	10503	4.3	445	42	10270	439	36	10168	436
		1955	89	10448	4.2	430	46	10563	439	36	10218	417
		1956	56	10569	4.3	440	21	11070	446	15	11104	447
		1957	62	11696	4.1	466	34	11689	465	32	11077	444
		1958	86	12284	3.9	473	65	12476	474	46	12176	474
		1959	126	12430	3.9	477	117	12285	464	101	12211	464
		1960	22	11294	3.7	420	17	11431	432	19	12038	462

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
000	AYRSHIRE	1947	99	9532	4.1	389	1	10640	386			
		1948	12	10966	4.0	437						
		1949	7	10724	4.0	431	1	12670	478			
		1950	6	11460	3.9	448	1	8820	351			
		1951	4	10555	3.9	412	1	10560	441			
		1952	3	14030	4.1	585	1	10070	408			
		1953	2	8260	3.7	307	1	8640	361	1	9254	374
		1954	1	11520	4.1	470						
		1955	2	12315	4.1	500						
		1956	1	10670	4.0	426						
	GUERNSEY	1947	77	8138	4.6	374	4	8520	443			
		1948	17	8699	4.6	408	3	8177	367			
		1949	20	9063	4.6	414	4	9095	414			
		1950	21	8903	4.6	412	7	8124	385			
		1951	16	9741	4.5	439	5	8946	416			
		1952	13	9537	4.4	416	6	8698	398			
		1953	10	8967	4.5	396	5	8042	362	4	8507	389
		1954	1	6700	4.5	266	1	8470	379	1	8582	364
		1957	1	6700	4.4	272	1	10670	501	1	10511	454
		1958	1	6720	4.3	290	1	9570	421	1	11532	473
		1959	1	11660	4.5	530	1	9520	458	1	9723	470
	HOLSTEIN	1947	131	10583	3.5	374	5	11954	444			
		1948	25	11760	3.6	421	3	10760	404			
		1949	18	11722	3.6	426	3	11853	450			
		1950	12	12163	3.6	437	3	11630	427			
		1951	9	13064	3.6	462	3	11693	420			
		1952	5	12010	3.7	453	2	11060	393			
		1953	5	11262	3.8	426	5	10578	380	5	10054	360
		1954	2	9880	3.8	372	2	11680	435	2	11189	412
	JERSEY	1947	22	8167	5.2	424						
		1948	4	9415	4.9	460						
		1949	6	9975	4.9	483						
		1950	6	7260	5.1	367						
		1951	5	9548	4.9	475						
		1952	3	9467	4.5	425						
		1953	3	6433	5.3	336	1	9060	405	1	7140	380
	ALL BREEDS	1947	329	9533	4.1	382	10	10449	438			
		1948	58	10595	4.1	423	6	9468	385			
		1949	51	10337	4.2	429	8	10576	435			
		1950	45	9694	4.3	417	11	9144	393			
		1951	34	10688	4.2	447	9	10041	420			
		1952	24	10605	4.2	442	9	9376	398			
		1953	20	9095	4.3	385	12	9233	373	11	9154	374
		1954	4	9445	4.0	375	3	10610	416	3	10253	396
		1955	2	12315	4.1	500						
		1956	1	10670	4.0	426						
		1957	1	6700	4.4	272	1	10670	501	1	10311	454
		1958	1	6720	4.3	290	1	9570	421	1	11532	473
		1959	1	11660	4.5	530	1	9520	458	1	9723	470
001	AYRSHIRE	1947	32	8953	4.3	381	7	10326	414			
		1948	22	9110	4.1	374	3	10127	398			
		1949	31	9688	4.1	402	8	8789	363			
		1950	27	9993	4.1	409	6	8358	352			
		1951	22	10023	4.0	401	5	9470	377			
		1952	15	9843	3.9	388	5	9612	384			
		1953	13	10439	4.0	420	6	9758	399	6	10110	407
		1954	10	10572	3.9	417	5	9470	391	5	8696	362
		1955	7	9559	3.8	363	2	8585	343	2	8622	346
		1956	4	11158	3.9	439	1	9600	379	1	9047	346
		1957	2	10690	4.2	443	1	8920	366	1	9320	376
		1958	1	7270	4.2	303						
		1959	1	9420	4.0	372	1	10020	408	1	10758	436
	GUERNSEY	1947	14	7844	4.6	358	1	8200	402			
		1948	23	8555	4.7	402	4	8590	424			
		1949	64	8351	4.8	395	16	9573	460			
		1950	99	8318	4.7	392	23	9775	451			
		1951	178	8272	4.7	390	67	9093	416			
		1952	243	8078	4.7	378	120	8778	405			
		1953	305	8238	4.7	388	232	8841	398	212	8834	407
		1954	395	8242	4.8	391	343	8861	404	303	8955	409
		1955	442	8363	4.8	398	403	9262	422	374	9001	407
		1956	338	8372	4.7	395	304	9566	426	251	9263	421
		1957	246	8946	4.7	422	223	10117	451	210	9756	454
		1958	195	8976	4.7	425	157	10049	453	130	9887	446
		1959	125	9061	4.7	426	118	9695	444	107	9969	456
		1960	20	9006	4.7	422	20	9223	428	13	9351	422

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY RECORDS NO.	HERD MILK LB.	AVERAGE FAT LB.			
							RECORDS NO.	MILK LB.	AV. FAT LB.						
	HOLSTEIN	1947	266	10894	3.6	394	21	12435	455						
		1948	163	10820	3.6	394	32	11733	432						
		1949	267	11845	3.6	429	57	12218	446						
		1950	342	11819	3.6	428	100	12040	441						
		1951	467	11558	3.7	421	194	12015	440						
		1952	704	11632	3.6	417	392	11877	434						
		1953	734	11741	3.6	427	601	11734	433				571	11331	419
		1954	881	11804	3.7	431	795	11867	439				752	11817	437
		1955	1076	11834	3.7	435	1011	12076	449				973	11641	431
		1956	1133	12209	3.7	449	1050	12598	469				999	12029	451
		1957	1048	12705	3.7	469	952	13125	490				900	12570	469
		1958	1051	12844	3.7	478	898	13063	494				833	13093	491
		1959	1049	12977	3.7	482	1023	12721	476				989	12994	487
		1960	131	12950	3.7	479	122	12471	473				99	12910	484
	JERSEY	1954	2	7820	5.9	466	1	9010	486	1	9734	510			
		1955	15	7347	5.5	404	4	7730	396	4	8126	409			
		1956	16	8254	5.4	441	5	9302	492	3	7539	411			
		1957	21	8352	5.4	444	4	9045	479	3	8462	431			
		1958	28	8372	5.6	469	10	10498	547	13	9747	506			
		1959	24	9397	5.4	506	12	10494	563	15	10704	525			
		1960	1	9300	4.6	428									
	ALL BREEDS	1947	312	10558	3.7	391	29	11780	443						
		1948	208	10388	3.8	392	39	11287	429						
		1949	362	11043	3.9	421	81	11357	441						
		1950	468	10973	3.9	419	129	11465	439						
		1951	667	10630	3.9	412	266	11231	433						
		1952	962	10706	3.9	408	517	11135	426						
		1953	1052	10709	4.0	416	859	10920	423				789	10650	415
		1954	1288	10696	4.0	419	1144	10959	429				1061	10983	429
		1955	1540	10784	4.0	424	1420	11274	441				1353	10896	424
		1956	1491	11294	3.9	437	1360	11906	459				1254	11463	445
		1957	1317	11930	3.9	460	1180	12539	483				1114	12026	462
		1958	1275	12150	3.9	469	1065	12595	488				976	12621	485
		1959	1199	12494	3.9	476	1154	12386	474				1112	12670	484
		1960	152	12407	3.9	471	142	12014	467				112	12497	477
002 GUERNSEY	1947	81	8016	4.9	390										
	1948	13	8365	4.6	387										
	1949	18	9383	4.7	438										
	1950	11	9305	4.7	435										
	1951	11	9694	4.8	467	3	8177	387							
	1952	12	9422	4.7	442	3	9193	424							
	1953	8	9241	4.5	418	5	8580	404				4	9298	435	
	1954	7	9696	4.4	431	7	8234	382				2	7799	363	
	1955	8	9633	4.5	440	7	8517	414				7	7864	374	
	1956	4	9863	4.3	422	4	8718	417				4	9028	419	
	1957	3	12993	4.3	546	2	8610	411							
	1958	3	13890	4.0	550	3	8323	402				1	8469	413	
	1959	1	13010	3.9	514	1	9770	479				1	9941	483	
	HOLSTEIN	1947	67	10590	3.7	390	7	12954				477			
1948		43	11549	3.6	415	10	12848	482							
1949		41	12297	3.6	436	12	12231	447							
1950		32	11771	3.6	423	9	11908	431							
1951		32	12176	3.5	428	12	12724	464							
1952		28	11780	3.6	420	13	11844	432							
1953		19	11835	3.5	417	14	11286	415	14	11062	406				
1954		12	13819	3.5	484	11	12685	474	11	12499	469				
1955		8	12921	3.7	474	8	12111	459	6	12245	463				
1956		7	13489	3.6	490	7	12656	476	7	12099	466				
1957		5	15930	3.7	593	5	13560	502	4	13500	517				
1958		3	14937	3.8	573	3	13880	535	3	13774	533				
1959		1	15390	3.6	558	1	11970	475	1	12088	455				
ALL BREEDS		1947	148	9181	4.3	390	7	12954	477						
	1948	56	10810	3.9	408	10	12848	482							
	1949	59	11408	3.9	437	12	12231	447							
	1950	43	11140	3.9	426	9	11908	431							
	1951	43	11541	3.8	438	15	11815	448							
	1952	40	11073	3.9	427	16	11347	431							
	1953	27	11066	3.8	417	19	10574	412	18				10670	412	
	1954	19	12300	3.9	465	18	10954	438	13				11776	453	
	1955	16	11377	4.1	457	15	10434	438	15				10200	422	
	1956	11	12170	3.9	465	11	11224	454	11				10982	449	
	1957	8	14829	3.9	575	7	12146	476	4				13500	517	
	1958	6	14413	3.9	562	6	11102	469	4				12448	503	
	1959	2	14200	3.8	536	2	10870	477	2				11015	469	
	003 AYRSHIRE	1947	29	9408	4.0	376	2	8415	332						
1948		40	8860	4.2	369	5	10134	398							
1949		50	10045	4.2	429	5	9566	416							
1950		38	10512	4.1	427	3	9850	408							
1951		41													

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY AV.			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
		1954	125	12290	3.9	468	115	11574	439	102	11636	439
		1955	217	12203	3.8	461	206	11872	451	187	11551	437
		1956	238	12338	3.8	466	216	12547	474	199	11702	454
		1957	401	12345	3.9	472	340	12757	486	315	12095	462
		1958	789	12126	4.0	479	664	12333	478	637	12297	479
		1959	1673	12008	4.1	479	1575	12109	476	1556	12459	489
		1960	343	11062	4.1	442	283	11327	445	276	12142	478

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
000	GUERNSEY	1947	83	8319	5.0	406						
		1948	10	8625	5.2	445						
		1949	14	9591	4.9	460						
		1950	10	8812	5.1	448						
		1951	7	7766	5.1	398						
		1952	6	8763	4.8	422						
		1953	2	7210	4.7	340						
		1954	2	7520	4.7	350						
		1956	2	6175	5.4	321						
	HOLSTEIN	1947	361	11370	3.7	417						
		1948	62	11535	3.7	427						
		1949	50	12036	3.7	446	1	10130	339			
		1950	30	11638	3.6	418	1	10710	376			
		1951	25	11704	3.6	421	1	8820	264			
		1952	19	12245	3.5	428	1	10500	339			
		1953	11	11321	3.5	396						
		1954	10	11210	3.6	408						
		1955	8	11494	3.5	400	1	8140	279	1	9548	334
		1956	5	11930	3.5	414	1	8050	274	1	10126	349
		1957	4	11493	3.6	411	1	9200	307	1	9450	331
		1958	3	13443	3.5	470	1	8480	266	1	10377	361
		1959	1	12480	3.4	430	1	11420	399			
		1960	1	11290	3.7	413	1	12230	436	1	11641	431
	ALL BREEDS	1947	444	10800	3.9	415						
		1948	72	11131	3.9	430						
		1949	64	11501	4.0	450	1	10130	339			
		1950	40	10932	4.0	426	1	10710	376			
		1951	32	10842	3.9	416	1	8820	264			
		1952	25	11409	3.8	427	1	10500	339			
		1953	13	10688	3.7	388						
		1954	12	10595	3.8	398						
		1955	8	11494	3.5	400	1	8140	279	1	9548	334
		1956	7	10286	4.0	387	1	8050	274	1	10126	349
001	AYRSHIRE	1947	4	9558	3.9	373						
		1948	84	9974	3.9	391						
		1949	209	9378	4.1	361	1	8070	348			
		1950	375	9361	4.1	377	7	9104	369			
		1951	519	9483	4.1	384	25	9715	394			
		1952	713	9170	4.0	369	65	9922	401	11	9178	383
		1953	860	9081	4.0	366	142	9655	392	66	8981	372
		1954	902	9481	4.1	383	202	9805	400	208	9231	380
		1955	914	9398	4.1	380	238	9917	404	218	9619	394
		1956	761	9619	4.0	385	288	9853	393	251	9720	393
	GUERNSEY	1947	297	7735	4.9	376						
		1948	227	8071	4.8	389	2	9115	406			
		1949	424	8279	4.9	407	3	8023	400			
		1950	623	8043	5.0	396	5	9776	482			
		1951	813	8228	4.9	404	17	9269	449			
		1952	1030	8411	4.9	408	30	9257	451			
		1953	1333	8373	4.8	405	68	9274	442	13	9107	444
		1954	1621	8294	4.8	396	98	9091	434	15	8646	402
		1955	1636	8492	4.8	408	154	9298	443	150	8931	426
		1956	1329	8403	4.8	399	157	9166	433	141	9176	430
	HOLSTEIN	1947	3223	11312	3.6	402	2	11225	411			
		1948	2523	11598	3.6	414	10	11636	425			
		1949	4132	12181	3.6	438	31	12725	460	1	14377	500
		1950	5599	11765	3.6	424	75	12814	457	1	13178	416
		1951	6968	11733	3.6	423	150	12375	451	1	13505	428
		1952	8855	11959	3.6	431	309	12638	461			
		1953	10866	11889	3.6	427	617	12478	454	77	12031	443
		1954	12561	11825	3.6	426	1078	12458	452	218	11130	409
		1955	13727	12193	3.6	440	1611	12917	473	1618	12133	440
		1956	13800	12038	3.6	436	2498	12688	461	2333	12306	445
		1957	12385	12321	3.6	445	4875	12634	458	4340	12275	449
		1958	13199	12745	3.7	464	11067	12738	463	9568	12562	456
		1959	16069	12883	3.7	471	15542	12745	464	12765	12994	473
		1960	2469	12475	3.6	454	2260	12411	451	2072	13103	477

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AVERAGE FAT LB.
001	JERSEY	1947	5	5918	5.3	303						
		1948	22	6226	5.6	351	1	8010	500			
		1949	66	7187	5.3	361						
		1950	184	7648	5.3	404	3	7307	384			
		1951	349	7571	5.4	403	7	7749	406			
		1952	521	7560	5.3	399	13	7970	420			
		1953	655	7718	5.3	406	18	7519	413	1	8186	425
		1954	722	7587	5.3	398	27	7845	422	2	7859	411
		1955	688	7793	5.2	405	24	8061	431	29	7661	396
		1956	598	7769	5.2	401	30	7628	402	43	8087	419
		1957	409	7918	5.2	408	90	8245	421	92	3255	424
		1958	544	7952	5.3	418	230	8172	423	271	8472	433
		1959	588	7969	5.3	418	394	8089	418	368	8616	438
	1960	97	7519	5.3	393	56	8296	428	69	8773	437	
	BROWN SWISS	1952	24	9881	4.1	402	1	8240	351			
		1953	95	9752	4.2	404	3	10907	474			
		1954	152	9790	4.2	407	14	10065	431	2	9810	426
		1955	220	9902	4.2	410	20	10739	450	17	10285	420
		1956	270	9466	4.2	399	31	10695	442	28	10426	421
1957		277	9949	4.2	417	52	10248	423	51	10448	424	
1958		475	10754	4.2	454	166	11122	460	206	11153	459	
1959		517	10891	4.2	462	319	11071	464	348	11363	464	
1960	132	10569	4.1	437	76	10316	418	102	11341	463		
ALL BREEDS	1947	3525	11003	3.7	399	2	11225	411				
	1948	2776	11264	3.7	411	13	10969	428				
	1949	4706	11720	3.8	434	34	12310	454	1	14577	500	
	1950	6615	11225	3.8	420	84	12380	455	1	13178	416	
	1951	8505	11122	3.8	419	181	11718	446	1	13505	428	
	1952	10949	11294	3.8	425	378	12004	454				
	1953	13662	11190	3.8	422	771	11859	448	102	11313	437	
	1954	15916	11106	3.8	418	1359	11806	444	303	10509	400	
	1955	17173	11492	3.8	432	2011	12248	462	2022	11521	432	
	1956	16911	11418	3.8	428	2954	12205	454	2763	11850	440	
	1957	14738	11785	3.8	438	5604	12211	452	5017	11877	444	
	1958	15470	12243	3.8	457	12321	12415	459	10625	12218	452	
	1959	18362	12461	3.8	465	17366	12418	460	14465	12646	468	
	1960	2945	11949	3.8	446	2621	12026	445	2448	12675	471	
002	GUERNSEY	1947	6	6627	4.4	291						
		1948	10	8163	4.5	366	3	10073	367			
		1949	33	8376	4.6	383	6	11443	407			
		1950	33	7715	4.5	346	7	11070	387			
		1951	28	8175	4.5	368	7	10651	389			
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TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
003	GUERNSEY	1956	15	11151	3.6	397	10	10789	393	10	11200	407
		1957	8	12509	3.4	425	6	11207	414	6	11191	409
		1958	5	15444	3.6	560	3	12617	465	3	11410	423
		1960	1	13970	3.2	449	1	12940	469	1	13135	487
		1948	1	7600	4.0	305						
		1949	4	7388	4.6	339	1	11610	415			
	HOLSTEIN	1950	3	6017	4.5	269	1	11120	379			
		1951	3	5900	4.5	261	1	10820	363			
		1952	2	5560	4.3	240	1	10180	364			
		1953	2	5610	4.4	243	1	10110	372			
		1947	325	10936	3.5	382	11	10845	391			
		1948	364	11219	3.5	393	36	11063	398			
		1949	413	12150	3.5	426	52	11611	415			
		1950	463	11878	3.5	417	75	11726	422			
		1951	448	12069	3.5	425	98	11902	433			
		1952	434	12472	3.5	440	127	12104	434			
		1953	347	12157	3.5	428	157	11548	421	31	11445	421
		1954	241	12049	3.5	420	115	11270	411	105	11426	418
		1955	158	12823	3.5	450	80	12082	445	73	11387	421
		1956	81	12789	3.4	439	41	12521	458	39	12255	454
		1957	63	12852	3.4	443	32	12007	443	25	11131	409
		1958	34	12951	3.4	441	24	12229	448	20	12494	453
	1959	15	12611	3.5	433	14	11714	432	13	11948	439	
	1960	2	11890	3.6	416	2	12260	443	1	14116	523	
	JERSEY	1947	10	7783	4.5	354						
		1948	6	8672	5.0	431						
		1949	5	7152	5.5	392						
		1950	11	7972	5.2	416						
1951		14	7773	5.3	408							
1952		13	7194	5.3	386							
1953		17	8179	5.6	449	2	11370	594	1	10987	582	
1954		14	9304	5.4	506	1	11890	600	1	11369	603	
1955		13	8005	5.3	424	2	9500	513	2	9064	479	
1956		13	8782	5.4	479	1	10820	559	1	9221	471	
1957		8	7923	5.3	419	2	10280	540	2	9925	520	
1958		6	8395	5.4	454	3	9340	482	3	10664	545	
ALL BREEDS	1959	1	9590	4.8	459							
	1960	1	7540	4.8	362	1	9650	510	1	7852	493	
	1947	335	10342	3.5	382	11	10845	391				
	1948	371	11168	3.5	394	36	11063	398				
	1949	422	12046	3.6	425	53	11611	415				
	1950	477	11751	3.6	416	76	11718	422				
	1951	465	11900	3.6	423	99	11891	432				
	1952	449	12289	3.6	437	128	12089	433				
	1953	366	11936	3.6	428	160	11537	423	32	11430	426	
	1954	255	11899	3.6	425	116	11276	413	104	11426	420	
004	HOLSTEIN	1955	171	12457	3.7	448	62	12019	447	75	11355	423
		1956	94	12235	3.7	444	42	12481	460	40	12179	455
		1957	71	12297	3.7	440	34	11906	449	27	11042	418
		1958	40	12267	3.7	443	27	11908	452	23	12255	465
		1959	16	12422	3.6	435	14	11714	432	15	11948	439
		1960	3	10440	4.0	395	3	11363	465	2	11974	508
		1953	24	12436	3.8	471	3	13927	548			
		1954	82	11080	3.8	419	15	12104	445	6	13705	512
		1955	116	11236	3.8	424	34	11934	437	27	11354	419
		1956	98	11751	3.8	442	27	13040	466	26	11974	436
	1957	70	12008	3.8	448	30	13412	505	29	12393	454	
	1958	66	12083	3.8	453	33	12426	464	49	12165	453	
ALL BREEDS	1959	72	12252	3.7	452	69	12640	462	61	12369	461	
	1960	10	11751	3.6	441	10	13357	461	10	13949	507	
	1953	24	12436	3.8	471	3	13927	548				
	1954	82	11080	3.8	419	15	12104	445	6	13705	512	
	1955	116	11236	3.8	424	34	11934	437	27	11354	419	
	1956	98	11751	3.8	442	27	13040	466	26	11974	436	
005	HOLSTEIN	1957	70	12008	3.8	448	30	13412	505	29	12393	454
		1958	66	12083	3.8	453	33	12426	464	49	12165	453
		1959	72	12252	3.7	452	69	12640	462	61	12369	461
		1960	10	11751	3.6	441	10	13357	461	10	13949	507
		1947	1	13910	3.5	477						
		1948	11	13577	3.4	455						
		1949	45	13207	3.4	447						
		1950	108	11961	3.5	422	1	13460	513			
1951	153	12695	3.6	429	3	12460	451					
1952	167	12685	3.5	447	4	13623	499					
1953	170	12799	3.5	451	11	13714	497					
1954	132	12545	3.5	444	16	13433	485	1	13396	538		
1955	117	12960	3.5	454	17	13739	493	17	12663	454		
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TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
		1957	57	14221	3.5	498	18	14906	534	17	13691	492
		1958	41	15221	3.5	526	29	13756	496	24	13462	488
		1959	31	14658	3.6	521	26	14033	507	23	14513	526
		1960	7	13751	3.6	488	6	13060	474	7	13611	492
	ALL BREEDS	1947	1	13810	3.5	477						
		1948	11	13577	3.4	455						
		1949	45	13207	3.4	449						
		1950	108	11961	3.5	422	1	13460	513			
		1951	153	12095	3.6	429	3	12460	451			
		1952	167	12685	3.5	449	4	13823	499			
		1953	170	12799	3.5	451	11	13914	497	2	12939	498
		1954	132	12545	3.5	444	12	13433	485	1	13396	538
		1955	117	12960	3.5	454	17	13739	493	17	12603	454
		1956	94	13243	3.5	468	18	13848	499	13	12397	451
		1957	57	14221	3.5	498	16	14906	534	17	13691	492
		1958	41	15221	3.5	526	29	13756	496	24	13462	488
		1959	31	14658	3.6	521	26	14033	507	23	14513	526
		1960	7	13751	3.6	488	6	13060	474	7	13611	492
006	GUERNSEY	1947	17	8625	5.0	430						
		1948	6	7777	5.0	390						
		1949	4	7830	4.8	377						
		1950	2	9605	5.0	482						
		1951	3	9050	4.9	441						
		1952	1	8460	5.3	448						
		1953	2	9330	5.4	499						
		1954	2	9350	4.9	450						
		1955	1	11550	4.6	530						
		1956	1	10000	4.6	455						
	HOLSTEIN	1947	42	10628	3.7	392						
		1948	8	11514	3.8	434						
		1949	11	12391	3.8	465						
		1950	12	12771	3.7	471	1	12130	457			
		1951	19	13247	3.6	470	1	10110	374			
		1952	22	13575	3.5	478	2	13045	473			
		1953	14	12147	3.5	423	2	12875	495	1	15533	576
		1954	13	13182	3.5	461	1	9130	358	1	11816	451
		1955	12	12944	3.5	458	1	9720	356	2	11614	425
		1956	5	13132	3.5	466	1	12160	426	1	12993	459
		1957	2	11390	3.4	379	1	13440	510	1	13865	492
	ALL BREEDS	1947	59	10051	4.1	403						
		1948	14	9912	4.3	415						
		1949	15	11175	4.1	441						
		1950	14	12327	3.9	472	1	12130	457			
		1951	22	12675	3.8	466	1	10110	374			
		1952	23	13352	3.6	477	2	13045	473			
		1953	16	11795	3.7	433	2	12875	495	1	15533	576
		1954	15	12671	3.7	460	1	9130	358	1	11816	451
		1955	13	12837	3.6	463	1	9720	356	2	11614	425
		1956	6	12610	3.7	464	1	12160	426	1	12993	459
		1957	2	11390	3.4	379	1	13440	510	1	13865	492
007	GUERNSEY	1948	1	7440	4.5	355						
007	HOLSTEIN	1947	52	10903	3.6	391						
		1948	13	11041	3.5	387						
		1949	14	11709	3.5	411						
		1950	10	11847	3.5	418						
		1951	5	12466	3.7	461						
		1952	3	10813	3.8	407						
		1953	2	10360	3.8	388						
		1954	2	14695	4.0	594						
		1955	2	12925	4.0	515						
	JERSEY	1947	4	4786	6.1	294						
		1948	1	5630	5.9	331						
		1949	1	7820	6.5	509						
	ALL BREEDS	1947	56	10466	3.8	384						
		1948	15	10440	3.7	380						
		1949	15	11450	3.7	418						
		1950	10	11847	3.5	418						
		1951	5	12466	3.7	461						
		1952	3	10813	3.8	407						
		1953	2	10360	3.8	388						
		1954	2	14695	4.0	594						
		1955	2	12925	4.0	515						

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE			
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AVERAGE FAT LB.	
000	GUERNSEY	1947	64	7454	4.8	353							
		1948	8	7356	4.6	337							
		1949	3	8133	4.8	390							
		1950	2	9505	4.7	443							
		1951	4	8843	4.4	382	1	11520	518				
		1952	3	10107	4.6	465	1	9330	456				
		1953	1	11460	4.8	552	1	10150	490				
		1954	1	9130	4.6	425							
		1955	1	8570	4.2	363							
	HOLSTEIN	1947	34	11711	3.6	425							
		1948	4	12210	3.8	457							
		1949	4	11220	3.8	418							
		1950	3	13300	3.5	463							
		1951	1	15390	3.5	536							
	ALL BREEDS	1947	98	8931	4.4	379							
		1948	12	8974	4.3	377							
		1949	7	9897	4.2	406							
		1950	5	11782	4.0	455							
		1951	5	10152	4.2	412	1	11520	518				
		1952	3	10107	4.6	465	1	9330	456				
		1953	1	11460	4.8	552	1	10150	490				
		1954	1	9130	4.6	425							
		1955	1	8570	4.2	363							
	001	GUERNSEY	1947	7	7609	4.8	364						
			1948	4	7545	5.0	380						
			1949	10	8609	4.8	408						
			1950	31	8641	4.8	411	2	10410	475			
			1951	30	8459	4.8	400	3	9907	513			
			1952	53	8569	4.8	408	9	11364	471			
			1953	99	8272	4.8	395	35	11123	457	28	10881	444
			1954	107	8200	4.8	384	38	11096	456	32	11190	446
			1955	110	8252	4.8	399	34	10735	459	33	9965	431
			1956	97	8566	4.8	412	34	11326	487	32	10723	463
1957			67	8782	4.7	415	23	11070	484	22	10311	457	
1958			39	8704	4.8	416	22	9513	433	16	9519	450	
1959			24	9170	4.6	422	19	8996	416	16	9185	417	
1960			5	9940	4.7	473	5	10062	455	3	10206	491	
HOLSTEIN			1947	185	11370	3.6	411	12	11974	443			
			1948	113	11859	3.6	431	9	12697	463			
			1949	129	12574	3.7	461	16	12431	471			
		1950	212	12310	3.7	458	25	13408	491				
		1951	309	11972	3.7	444	37	12753	474				
		1952	420	12064	3.8	452	86	12212	458				
		1953	517	12173	3.8	457	122	12269	465	79	11494	443	
		1954	608	12214	3.8	461	159	12363	471	107	12153	465	
		1955	766	12264	3.8	465	177	12559	478	176	11861	454	
		1956	687	12287	3.8	464	178	13295	504	163	12532	478	
		1957	642	12657	3.8	476	211	13458	506	195	12686	483	
		1958	710	12683	3.8	477	423	13160	493	377	12413	465	
1959		944	12683	3.8	480	870	12843	482	839	12650	477		
1960		208	13002	3.8	497	181	13222	500	167	12601	483		
JERSEY		1947	4	8433	5.8	492							
		1948	3	7997	4.9	396							
		1949	2	9520	5.0	472							
		1950	2	7565	5.7	445							
		1951	6	7845	5.4	417							
	1952	3	7597	5.4	404								
	1953	5	6992	5.3	366								
	1954	5	8124	5.0	407								
	1955	6	7637	4.9	370								
	1956	4	9043	5.5	481								
	1957	4	7808	5.1	386								
	1958	2	5915	4.9	277								
	BROWN SWISS	1952	4	10558	4.3	450							
1953		3	11180	4.3	475								
1954		1	13610	4.0	544								
1955		6	11595	4.2	480								
1956		2	11315	4.2	471								
1957		1	11320	4.0	456								
1958		1	12250	3.9	475								
1959		3	11130	4.1	461	2	7105	294	1	7761	319		
ALL BREEDS		1947	196	11177	3.7	411	12	11974	443				
	1948	120	11619	3.7	429	9	12697	463					
	1949	141	12249	3.8	458	16	12431	471					
	1950	245	11607	3.9	452	27	13166	490					
	1951	345	11595	3.8	440	40	12540	477					
	1952	480											

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS				305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
			NO.	MILK LB.	TEST PCT.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
004	GUERNSEY	1949	622	11350	3.9	439	16	12267	483			
		1950	742	11081	4.0	431	26	11341	465			
		1951	912	11094	3.9	429	59	11544	453			
		1952	1210	11056	4.0	429	93	11561	451			
		1953	1555	11001	4.0	429	171	11363	444	81	11142	451
		1954	1925	11334	4.0	442	231	11568	450	125	11117	455
		1955	1974	11415	4.0	444	291	11720	459	255	11318	440
		1956	1795	11328	4.0	441	309	12159	474	279	11934	460
		1957	1603	11871	3.9	459	366	12288	480	337	12005	464
		1958	1536	11950	3.9	459	750	12212	468	670	12033	461
		1959	2113	12164	3.9	465	1835	12186	461	1669	12127	459
		1960	463	11967	3.8	455	416	11878	451	359	12073	455
	HOLSTEIN	1949	6	12120	3.7	443						
		1950	11	10354	3.7	387						
		1951	8	10704	3.8	403						
		1952	12	11158	3.7	407						
		1953	9	11298	3.6	404						
		1954	7	11594	3.5	409						
		1955	6	11687	3.6	421						
		1956	3	12197	3.4	419						
	BROWN SWISS	1949	3	7607	4.3	324						
		1950	3	7617	4.3	329						
		1951	3	7767	4.1	318						
		1952	1	6550	3.6	238						
		1954	1	8260	4.2	344						
	ALL BREEDS	1947	2	6375	4.9	313						
		1948	1	7370	4.8	354						
		1949	13	9673	4.2	392						
		1950	24	9152	4.2	383						
		1951	19	9089	4.2	378						
		1952	28	8791	4.3	365						
		1953	21	9185	4.4	389						
		1954	15	9671	4.2	396						
		1955	12	9558	4.2	391						
		1956	8	10396	4.4	439	1	10600	500			
		1957	2	7325	4.9	363						
005	GUERNSEY	1951	2	9625	4.2	401						
		1952	5	8986	4.1	367						
		1953	8	9068	4.2	381						
		1954	5	9030	4.3	389	1	8700	413	1	7652	365
		1956	4	9018	4.4	391						
		1957	1	10970	4.2	460						
		1958	1	8770	4.1	362						
		1959	1	8390	4.2	350	1	7590	351			
	ALL BREEDS	1951	2	9625	4.2	401						
		1952	5	8986	4.1	367						
		1953	8	9068	4.2	381						
		1954	5	9030	4.3	389	1	8700	413	1	7652	365
		1956	4	9018	4.4	391						
		1957	1	10970	4.2	460						
		1958	1	8770	4.1	362						
		1959	1	8390	4.2	350	1	7590	351			
	GUERNSEY	1947	8	8495	4.9	416						
		1948	33	7363	4.8	354						
		1949	58	7606	4.9	370	1	10570	525			
		1950	65	8076	4.8	388	1	7570	342			
		1951	67	8083	4.8	386	1	8720	377			
		1952	59	8484	4.8	403	1	11930	474			
		1953	67	8149	4.9	393	4	9523	438			
		1954	85	8258	4.8	396	6	9277	412	2	11271	432
		1955	61	8614	4.8	415	5	9564	421	6	8633	393
		1956	41	8329	4.8	399	12	9384	421	12	8867	416
		1957	36	8302	4.8	398	8	9584	421	8	9607	412
		1958	21	8677	4.8	410	11	9416	434	6	9212	431
		1959	11	11676	4.8	503	7	9196	403	6	8560	369
		1960	4	8285	4.7	398	4	9938	445	2	9756	413

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
008	GUERNSEY	1950	53	8406	4.6	382	2	8360	405			
		1951	31	9415	4.5	413	1	8730	418			
		1952	20	9437	4.6	420	2	7845	392			
		1953	15	9261	4.5	405	2	7620	377	1	7167	450
		1954	10	8508	4.6	369	1	8770	421	1	8469	399
		1955	8	9400	4.5	413	3	8703	425	3	9131	446
		1956	2	9120	4.6	417	1	9250	458	1	9821	482
		1957	4	9740	4.5	435	2	8290	409	2	9031	427
		1958	6	8180	4.6	377	2	8895	433	2	8813	435
		1959	1	10160	5.2	527						
	HOLSTEIN	1947	3	7227	4.8	348						
		1948	9	7522	4.7	365						
		1949	5	7982	4.9	392						
		1950	4	8215	4.9	403						
		1952	1	9570	4.5	427						
	JERSEY	1947	1	9190	5.7	558						
		1948	2	7760	5.5	423						
		1949	3	8273	5.8	480						
		1950	2	8470	5.5	466						
		1951	1	7960	5.4	428						
ALL BREEDS	ALL BREEDS	1952	1	9540	5.1	483						
		1953	2	7880	5.3	416						
		1954	1	7050	4.8	341						
		1955	1	8040	4.8	388						
		1956	1	6420	5.0	320						
		1947	4	7868	5.1	401						
		1948	12	7923	4.9	379						
		1949	10	8732	4.8	413						
		1950	7	8884	4.8	415						
		1951	2	10095	4.2	377						
		1952	2	9555	4.8	455						
		1953	2	7880	5.3	416						
		1954	4	9470	4.3	376						
		1955	1	8040	4.8	388						
		1956	1	6420	5.0	320						

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
000	GUERNSEY	1951	2	6345	5.3	335	1	9850	380			
		1952	2	6735	5.1	344	2	9420	362			
		1953	3	6367	4.9	310	3	8447	345	1	8673	382
		1954	4	6875	4.9	331	4	8555	344	4	8652	354
		1955	4	6858	5.1	344	4	7605	359	4	7706	363
		1956	3	8217	5.0	408	3	8837	384	3	9665	426
		1957	1	8810	4.6	408	1	8530	439	1	7456	380
		1958	1	8980	4.5	408						
	HOLSTEIN	1957	1	12180	4.0	483	1	9570	367			
		1958	1	7360	3.9	285	1	9980	382	1	9777	380
		1959	1	11110	3.6	404	1	9410	346	1	10813	405
	JERSEY	1951	1	7730	5.2	399						
		1952	1	7150	5.2	369	1	7040	316			
		1954	2	8490	5.5	460						
		1958	1	9830	4.9	480				1	8393	450
	ALL BREEDS	1951	3	6807	5.2	356	1	9850	380			
		1952	3	6873	5.1	352	3	8627	346			
		1953	3	6367	4.9	310	3	8447	345	1	8873	382
		1954	6	7413	5.1	374	4	8555	344	4	8652	354
		1955	4	6858	5.1	344	4	7605	359	4	7706	363
		1956	3	8217	5.0	408	3	8837	384	3	9665	426
		1957	2	10495	4.3	446	2	9050	403	1	7456	380
		1958	3	8723	4.4	391	1	9980	382	2	9085	415
		1959	1	11110	3.6	404	1	9410	346	1	10813	405
001	HOLSTEIN	1954	1	17090	3.4	579				1	17069	686
		1955	6	12600	3.9	495	5	13336	491	6	14599	539
		1956	6	16832	4.0	677	6	16513	624	6	16241	620
		1957	20	12396	3.8	467	20	12448	469	20	12374	470
		1958	52	13472	3.9	519	46	12657	483	43	13635	520
		1959	115	14201	3.9	552	114	13204	508	112	13577	523
		1960	24	13727	3.9	544	22	12628	490	22	14071	553
	ALL BREEDS	1954	1	17090	3.4	579				1	17069	686
		1955	6	12600	3.9	495	5	13336	491	6	14599	539
		1956	6	16832	4.0	677	6	16513	624	6	16241	620
		1957	20	12396	3.8	467	20	12448	469	20	12374	470
		1958	52	13472	3.9	519	46	12657	483	43	13635	520
002	GUERNSEY	1947	29	7931	5.0	396	6	8148	398			
		1948	65	7684	4.8	365	8	9743	433			
		1949	121	8205	4.9	397	18	9721	450			
		1950	180	7762	4.8	374	59	9080	416			
		1951	223	7684	4.8	370	92	9345	416			
		1952	304	7660	4.8	364	160	8904	394			
		1953	360	7769	4.7	363	328	8837	389	121	8835	406
		1954	383	7928	4.7	372	370	9092	394	327	8850	390
		1955	347	7968	4.7	374	332	9210	404	296	9154	405
		1956	257	7999	4.6	368	245	9071	395	231	9184	411
	HOLSTEIN	1957	341	7799	4.6	356	334	9149	391	301	8624	384
		1958	382	7633	4.6	350	341	8882	378	323	9810	418
1959		333	7861	4.6	356	329	9041	381	317	9618	410	
1960		97	7449	4.5	335	91	8712	364	90	10139	429	
1947		303	11596	3.6	421	23	12523	432				
1948		421	11603	3.7	424	63	12456	444				
1949		851	11708	3.7	433	199	12127	444				
1950		1273	11316	3.7	421	440	11665	436				
1951		1689	11456	3.7	425	842	11755	438				
1952		2231	11466	3.7	427	1514	11580	431				
JERSEY	1953	2795	11235	3.7	416	2584	11198	416	638	11142	423	
	1954	2968	11387	3.7	423	2876	11387	426	2674	11319	420	
	1955	2773	11899	3.7	442	2716	11834	443	2530	11599	433	
	1956	2227	11661	3.7	431	2166	11593	434	2047	12122	453	
	1957	2774	11709	3.7	431	2722	11606	432	2461	11411	428	
	1958	3888	11903	3.7	438	3653	11728	436	3357	12184	455	
	1959	5362	12161	3.7	447	5337	11945	442	4984	12418	460	
	1960	1579	11872	3.7	435	1519	11776	436	1536	12701	471	
	JERSEY	1948	12	6767	5.7	382						
		1949	27	7752	5.4	420	5	8284	448			
1950		21	7277	5.4	392	5	7238	401				
1951		18	7070	5.5	388	6	7670	419				
1952		13	7175	5.6	404	6	7610	422				
1953		13	6726	5.3	358	8	7046	378	1	6595	374	
1954		7	6363	5.3	339	6	6845	381	6	7022	385	
1957		1	3860	4.9	188	1	4140	209				

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE	RECORDS NO.	MILK LB.	FAT LB.
							RECORDS NO.	MILK LB.	AV. FAT LB.				
		1958	541	7789	5.3	408	227	8108	424		202	8510	445
		1959	496	7677	5.2	400	242	7913	410		234	8646	456
		1960	189	7754	5.2	397	104	7940	403		96	8698	449
	BROWN SWISS	1953	2	8610	4.6	374							
		1954	20	9842	4.5	435	4	10193	417		4	10432	426
		1955	34	9745	4.3	419	13	9692	408		11	10250	427
		1956	54	8816	4.3	376	18	10629	434		30	10319	439
		1957	76	9732	4.2	409	37	10949	449		36	9504	417
		1958	166	10690	4.2	452	60	10949	461		44	10087	414
		1959	120	10526	4.2	442	50	10736	449		46	10685	449
		1960	53	9928	4.2	420	24	10292	428		26	10900	461
	ALL BREEDS	1947	17	8153	4.7	383							
		1948	318	8979	4.4	381	35	8846	369				
		1949	1102	9326	4.4	399	193	10451	436				
		1950	1689	9296	4.4	395	477	10173	423				
		1951	2271	9089	4.4	383	763	9859	405				
		1952	3494	9454	4.3	393	2130	10040	408				
		1953	4513	9478	4.2	388	3904	9841	396	1113	9961	403	
		1954	5382	9897	4.2	403	4736	10246	410	4418	9928	400	
		1955	5395	10288	4.1	415	4785	10586	421	4512	10361	413	
		1956	4001	10228	4.1	408	3667	10454	413	3464	10821	433	
		1957	4697	10223	4.0	402	4529	10506	410	3683	10383	412	
		1958	6606	10706	4.0	421	5686	10861	423	3355	11027	429	
		1959	8473	11046	3.9	429	8084	11033	425	7527	11645	449	
		1960	2363	10655	4.0	415	2169	10669	413	2181	11611	452	
006	HOLSTEIN	1956	8	12029	3.9	470	6	12913	466		6	11901	448
		1957	88	12081	3.7	449	66	12690	471		51	12270	459
		1958	241	12301	3.8	465	193	13480	501		149	13589	506
		1959	439	12288	3.7	459	425	12772	472		356	13235	491
		1960	106	12186	3.8	458	92	12625	469		83	13505	501
	ALL BREEDS	1956	8	12029	3.9	470	6	12913	466		6	11901	448
		1957	88	12081	3.7	449	66	12690	471		51	12270	459
		1958	241	12301	3.8	465	193	13480	501		149	13589	506
		1959	439	12288	3.7	459	425	12772	472		358	13235	491
		1960	106	12186	3.8	458	92	12625	469		83	13505	501
007	AYRSHIRE	1947	9	8856	4.1	356							
		1948	12	8222	4.1	338	1	10350	370				
		1949	29	8828	4.1	356	4	9410	381				
		1950	59	9164	4.1	373	15	10071	399				
		1951	91	8744	4.0	353	21	9382	367				
		1952	162	8595	4.1	355	60	8869	356				
		1953	262	8733	4.2	367	167	9378	373	43	9549	377	
		1954	320	8942	4.2	374	258	9524	385	224	9062	364	
		1955	332	8905	4.2	374	261	9519	386	245	9528	388	
		1956	236	9199	4.2	384	177	9502	395	157	9691	402	
		1957	256	8951	4.2	372	232	9487	389	193	9406	382	
		1958	254	9175	4.1	381	236	9881	404	194	9836	404	
		1959	244	9415	4.1	387	236	9736	392	229	9943	405	
		1960	103	9147	4.1	373	100	9853	396	106	10380	419	
	GUERNSEY	1947	30	7882	5.0	390	2	8020	431				
		1948	81	7488	5.0	371	11	8073	370				
		1949	161	7925	4.9	390	31	9413	437				
		1950	202	7669	4.9	374	55	8871	418				
		1951	277	7679	4.9	373	108	8728	401				
		1952	321	7827	4.9	383	169	8630	401				
		1953	396	7622	5.0	379	310	8311	389	108	8489	399	
		1954	421	7859	5.0	391	371	8595	403	334	8216	389	
		1955	425	7902	4.9	389	395	8813	413	368	8817	415	
		1956	233	7808	4.9	382	221	8744	406	207	8803	417	
		1957	250	7872	4.8	377	245	8822	410	235	8670	408	
		1958	255	8005	4.8	381	211	8683	396	200	8873	409	
		1959	174	7914	4.6	364	173	8492	376	171	9142	413	
		1960	56	8178	4.6	374	53	8507	378	54	9212	419	
	HOLSTEIN	1947	68	11385	3.5	401	13	12014	446				
		1948	202	11532	3.5	405	42	12309	439				
		1949	364	11778	3.5	414	100	12611	454				
		1950	561	11497	3.5	406	211	12515	450				
		1951	692	11541	3.6	412	351	12268	443				
		1952	839	11932	3.6	425	549	12255	443				
		1953	1066	12265	3.6	439	952	12215	441	238	11728	420	
		1954	1217	12422	3.6	445	1168	12344	447	1059	12047	438	
		1955	1356	12144	3.6	440	1325	12129	444	1197	12442	452	
		1956	1113	11935	3.7	436	1072	11956	440	1042	12246	452	
		1957	1509	11879	3.7	439	1479	11982	445	1390	12101	448	
		1958	2200	11872	3.7	441	2038	11919	444	1800	12542	467	
		1959	3373	12192	3.7	452	3364	12083	447	3227	12702	471	
		1960	1034	11964	3.7	443	1011	11929	443	1006	12927	483	

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS				305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
			NO.	MILK LB.	TEST PCT.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
		1951	49	7813	5.3	413	3	8650	423			
		1952	65	7313	5.4	390	12	7393	382			
		1953	83	7693	5.3	403	24	7679	388	11	9484	417
		1954	81	7506	5.4	405	27	7860	413	27	7466	395
		1955	76	7504	5.4	404	29	8249	436	29	8137	435
		1956	82	7860	5.3	415	38	8416	444	51	8564	456
		1957	126	7965	5.3	422	65	8309	441	63	7831	416
		1958	229	8221	5.3	436	96	8056	424	105	8567	455
		1959	260	8243	5.3	435	148	8059	418	141	8395	440
		1960	105	8042	5.2	418	69	8027	415	66	8438	439
BROWN SWISS		1959	2	6805	4.1	273	1	15020	626	1	12099	519
		1960	8	11301	4.2	467	7	11069	472	8	10636	451
ALL BREEDS		1947	111	9722	4.0	374	8	10161	407			
		1948	445	10194	3.9	389	91	11476	439			
		1949	1051	10793	4.0	418	244	11522	453			
		1950	1569	10580	3.9	408	514	11310	438			
		1951	2175	10878	3.9	419	995	11444	438			
		1952	3128	10717	3.9	413	1857	11027	424			
		1953	4083	10617	4.0	413	3430	10758	416	975	10588	410
		1954	4870	10954	4.0	431	4497	11053	431	3987	10723	416
		1955	5472	10810	4.0	430	5136	11057	435	4632	11145	434
		1956	4454	10858	4.0	430	4125	11061	434	3926	11192	442
		1957	6008	10908	4.0	433	5742	11190	441	4417	11097	436
		1958	8548	11183	4.0	444	7488	11293	443	6760	11632	457
		1959	12198	11503	4.0	454	12001	11385	443	11049	11933	465
		1960	3467	11278	4.0	442	3289	11289	438	3531	12013	471
009 HOLSTEIN		1951	9	10368	3.5	368	2	12735	457			
		1952	46	11718	3.5	408	24	11607	431			
		1953	42	11953	3.6	426	33	12185	445	13	12109	443
		1954	38	12494	3.5	441	34	12046	448	29	11905	443
		1955	28	13041	3.7	478	26	12291	473	25	12175	457
		1956	16	13198	3.5	467	14	12477	477	14	12551	479
		1957	12	13614	3.6	487	11	12236	476	9	11819	447
		1958	9	14303	3.5	506	6	12142	465	5	12598	490
		1959	9	12919	3.4	446	9	11581	433	7	12312	457
		1960	2	15655	3.4	527	2	12095	446	2	12895	491
JERSEY		1955	1	9340	5.4	502	1	8660	458	1	6426	461
		1956	4	7608	5.3	397	2	8380	433	4	8232	408
		1957	11	7935	5.3	415	3	8126	430	3	6279	333
		1958	35	7739	5.5	428	15	8444	446	12	6647	466
		1959	49	7488	5.5	413	24	8196	432	21	8681	459
		1960	17	7672	5.4	410	5	8458	423	5	8947	460
ALL BREEDS		1951	9	10368	3.5	368	2	12735	457			
		1952	46	11718	3.5	408	24	11607	431			
		1953	42	11953	3.6	426	33	12185	445	13	12109	443
		1954	38	12494	3.5	441	34	12046	448	29	11905	443
		1955	29	12913	3.7	479	27	12157	472	26	12031	457
		1956	20	12060	3.9	453	16	11965	472	16	11591	463
		1957	25	10698	4.4	453	14	11354	466	12	10434	418
		1958	44	9082	5.1	444	21	9500	451	17	9309	473
		1959	58	8331	5.2	416	33	9119	433	30	9770	458
		1960	19	8512	5.1	422	7	9497	429	7	10675	469

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TLST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
014	GUERNSEY	1947	7	7270	4.5	330						
		1948	9	7649	4.6	361	1	10310	479			
		1949	8	8345	4.7	391	1	8650	380			
		1950	5	8134	4.9	391	1	9560	442			
		1951	3	8160	4.7	383	1	8700	406			
		1952	2	5165	5.1	274	1	8670	416			
		1953	1	8030	5.5	422	1	8090	405			
		1954	1	8480	5.1	432	1	8360	404	1	8208	407
		1956	1	9610	4.9	473	1	8680	401	1	7837	378
		ALL BREEDS	1947	7	7270	4.5	330					
1948	9		7649	4.6	361	1	10310	479				
1949	8		8345	4.7	391	1	8650	380				
1950	5		8134	4.9	391	1	9560	442				
1951	3		8160	4.7	383	1	8700	406				
1952	2		5165	5.1	274	1	8670	416				
1953	1		8030	5.5	422	1	8090	405				
1954	1		8480	5.1	432	1	8360	404	1	8208	407	
1956	1		9610	4.9	473	1	8680	401	1	7837	378	

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUO, BY BREED, BY YEAR OF FRESHENING

STUO	BREED	FRESHENING YEAR	RECOROS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERO AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
000	GUERNSEY	1947	8	6949	4.7	324						
000	HOLSTLIN	1947	32	10184	3.7	372						
		1948	16	10843	3.6	391	1	11420	397			
		1949	12	11640	3.7	436	1	10710	413			
		1950	4	12965	3.8	492	1	17010	588			
		1951	3	11193	3.5	391	2	10285	354			
		1952	3	11170	3.3	367	3	10757	383			
		1953	2	11255	3.5	396	2	12655	429	2	11233	408
	JERSEY	1947	6	5867	5.3	306						
		1948	9	8538	5.1	432						
		1949	4	8368	5.1	427						
		1950	3	6427	5.4	347						
		1951	1	8280	5.4	447						
		1952	2	9015	5.4	483	1	6420	354			
		1953	1	9940	4.9	429						
		1954	1	8170	5.2	425						
		1955	1	6570	5.3	348	1	7970	380			
		1956	1	7250	5.5	398	1	7730	390	1	8676	444
		1957	1	7270	5.3	388	1	9020	424	1	7968	419
		1958	2	8170	5.1	415	2	8305	435	2	8339	428
		1960	1	6530	5.3	346	1	7410	401			
ALL BREEDS	1947	46	9058	4.0	355							
	1948	25	10013	4.1	406	1	11420	397				
	1949	16	10822	4.0	434	1	10710	413				
	1950	7	10163	4.4	430	1	17010	588				
	1951	4	10465	4.0	405	2	10285	354				
	1952	5	10308	4.1	413	4	9673	376				
	1953	3	10817	4.0	427	2	12655	429	2	11233	408	
	1954	1	8170	5.2	425							
	1955	1	6570	5.3	348	1	7970	380				
	1956	1	7250	5.5	398	1	7730	390	1	8676	444	
	1957	1	7270	5.3	368	1	9020	424	1	7968	419	
	1958	2	8170	5.1	415	2	8305	435	2	8339	428	
	1960	1	6530	5.3	346	1	7410	401				
001	AYRSHIRE	1950	14	10499	4.2	435						
		1951	44	10556	4.1	428	9	10442	418			
		1952	86	9728	4.1	394	22	10041	402			
		1953	100	9786	4.1	397	40	10133	405	33	9985	402
		1954	143	9560	4.1	391	66	9424	384	55	9773	391
		1955	198	9745	4.1	400	99	9546	384	70	9488	376
		1956	237	9792	4.1	398	125	9335	372	88	9384	374
		1957	231	9558	4.1	392	116	9621	384	87	9878	393
		1958	198	9710	4.1	396	114	10173	411	68	9497	380
		1959	274	9931	4.1	404	258	9766	391	207	9821	400
	1960	78	9841	4.1	399	69	10009	399	47	10347	418	
	GUERNSEY	1947	3	9313	5.3	486						
		1948	12	7714	4.7	362	1	10650	393			
		1949	25	8179	4.7	385	2	8445	393			
		1950	31	8679	4.7	412	6	8230	393			
		1951	67	8138	4.7	385	24	8958	402			
		1952	104	8114	4.7	382	52	8871	396			
		1953	172	8086	4.8	383	123	8690	389	99	8575	392
		1954	261	7980	4.7	376	205	8453	384	184	8577	390
		1955	219	8270	4.7	385	191	9174	409	171	8788	397
1956		244	8162	4.7	378	187	9250	413	166	9167	414	
HOLSTEIN	1947	21	10174	3.5	357							
	1948	44	11244	3.4	385	5	11438	417				
	1949	88	11841	3.5	417	15	12330	446				
	1950	177	12228	3.5	428	52	12225	449				
	1951	305	11885	3.6	421	142	12184	432				
	1952	515	12560	3.5	438	358	12085	430				
	1953	869	12370	3.5	430	794	11919	420	614	11891	424	
	1954	1119	12490	3.5	434	1059	12100	425	904	11922	420	
	1955	1373	12642	3.5	445	1302	12414	438	1090	12291	435	
	1956	1569	12359	3.6	437	1486	12362	442	1342	12299	438	
JERSEY	1947	26	8096	4.8	386							
	1948	29	8234	4.9	404	2	8670	418				
	1949	52	7580	5.0	376	2	7225	380				
	1950	90				7	7666	414				

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
		1951	131	7713	5.2	397	44	8323	429			
		1952	207	8091	5.1	411	85	8119	419			
		1953	261	7888	5.1	404	147	7970	406	114	7947	405
		1954	227	7862	5.2	405	129	7699	398	109	7959	407
		1955	209	7941	5.1	402	126	8330	421	114	8134	419
		1956	200	8080	5.1	409	110	8624	432	98	8507	431
		1957	195	7732	5.1	394	103	8116	412	100	8069	411
		1958	413	8457	5.1	429	218	8527	436	158	8290	434
		1959	635	8239	5.1	421	486	8013	410	378	8308	425
		1960	207	8531	5.1	435	171	8243	423	62	7768	400
	BROWN SWISS	1947	8	10560	3.9	419	1	13830	451			
		1948	6	11087	4.0	446	1	11180	342			
		1949	10	10410	4.0	418						
		1950	14	11674	3.9	458	4	12610	505			
		1951	25	10536	4.2	438	7	11449	449			
		1952	52	10578	4.1	428	20	11522	452			
		1953	107	10181	4.1	420	44	10545	419	23	9969	399
		1954	128	10603	4.1	436	53	11159	453	50	10325	418
		1955	139	11210	4.1	457	99	10974	440	90	10471	424
		1956	267	10645	4.2	443	143	11039	453	111	10820	443
		1957	321	10197	4.2	428	138	10710	442	127	10556	436
		1958	438	10712	4.2	449	144	10885	450	119	10493	436
		1959	650	10908	4.2	459	395	11178	463	346	10896	452
		1960	105	10419	4.1	431	66	10877	450	36	11006	456
	ALL BREEDS	1947	58	9251	4.2	385	3	10390	429			
		1948	91	9809	4.1	392	9	10386	398			
		1949	175	9970	4.2	400	24	10646	432			
		1950	326	10635	4.1	423	81	10981	442			
		1951	572	10329	4.1	412	226	10997	428			
		1952	964	10761	4.1	422	537	11041	425			
		1953	1509	10780	4.0	417	1148	10953	414	883	10889	416
		1954	1878	10952	4.0	420	1512	11081	416	1302	10965	413
		1955	2138	11373	3.9	431	1617	11555	431	1535	11357	426
		1956	2517	11189	3.9	426	2051	11601	435	1805	11572	432
		1957	2585	11191	3.9	427	2066	11763	441	1776	11713	438
		1958	3124	11554	4.0	448	1999	11856	455	1646	11714	447
		1959	4322	11636	4.0	456	3787	11718	453	3119	11666	460
		1960	1005	11517	4.1	456	849	11422	452	373	11704	461
002	AYRSHIRE	1948	1	8050	3.4	271						
		1950	3	8703	4.5	387	1	10130	395			
		1951	15	9351	3.9	364	3	10877	465			
		1952	45	9748	3.9	377	18	9776	369			
		1953	61	9494	4.0	375	22	9267	357	9	8124	313
		1954	49	9974	3.8	383	13	9855	376	5	8772	359
		1955	37	9426	3.8	362	16	10461	410	11	9507	358
		1956	17	10504	3.8	399	13	9828	387	8	9568	359
		1957	8	10701	3.9	416	6	10053	405	5	8339	340
		1958	5	9232	3.9	358	5	10440	392	5	10329	406
		1959	3	11090	3.9	435	2	12965	488	2	12339	455
		1960	1	10030	3.1	311	1	11230	444	1	10802	422
	GUERNSEY	1947	26	7170	4.7	337						
		1948	22	7516	4.8	363						
		1949	69	7794	4.8	375	4	9468	480			
		1950	79	7928	5.0	394	15	8463	424			
		1951	94	8103	4.8	385	40	8308	395			
		1952	148	7991	4.9	387	79	8300	368			
		1953	202	8248	4.7	390	146	8134	377	92	8688	406
		1954	209	7970	4.7	374	158	8490	381	124	8536	390
		1955	204	8127	4.7	378	165	8798	398	144	8652	391
		1956	198	8227	4.7	386	164	9169	417	143	9111	410
		1957	139	8305	4.6	379	124	9354	418	87	8978	407
		1958	119	8524	4.6	396	95	9654	426	68	9254	406
		1959	115	8458	4.6	389	166	9234	412	87	9337	828
		1960	31	8966	4.7	416	29	9280	421	5	9252	444
	HOLSTEIN	1947	116	12313	3.5	431	6	14775	535			
		1948	124	12348	3.5	430	24	13085	468			
		1949	207	12153	3.6	430	45	12702	455			
		1950	362	12251	3.5	433	123	12564	453			
		1951	501	12269	3.5	433	259	12301	437			
		1952	728	12303	3.5	432	562	12486	441			
		1953	934	12615	3.5	442	851	12467	442	615	12162	435
		1954	1123	12636	3.5	440	1069	12471	439	866	12369	443
		1955	1318	12591	3.5	442	1249	12567	444	1093	12370	438
		1956	1261	12370	3.5	434	1180	12396	439	1045	12737	454
		1957	1105	12290	3.5	431	1002	12325	438	942	12341	440
		1958	1388	12716	3.6	451	1127	12595	452	960	12446	446
		1959	2479	12779	3.6	462	2400	12564	459	1888	12699	466
		1960	504	13107	3.6	471	457	12733	465	162	12696	461

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
	JERSEY	1947	27	6403	5.6	347						
		1948	42	7145	5.4	381	4	9563	477			
		1949	110	7344	5.4	394	15	7150	382			
		1950	160	7711	5.3	410	38	7756	417			
		1951	144	7523	5.4	401	42	7779	407			
		1952	207	7630	5.3	402	92	8010	417			
		1953	223	7479	5.2	389	136	7667	402	97	7943	419
		1954	189	7437	5.2	385	115	7899	408	94	7634	400
		1955	150	7261	5.2	377	87	8265	434	71	7625	409
		1956	112	7668	5.2	397	71	8309	438	65	8222	452
		1957	81	7736	5.2	397	56	8217	425	46	7676	407
		1958	186	8261	5.3	434	129	8159	426	76	8252	428
		1959	335	7936	5.2	413	292	7912	413	174	8362	442
		1960	94	8402	5.1	433	75	8044	421	21	7856	420
	BROWN SWISS	1947	6	12952	4.1	523						
		1948	2	14050	3.9	547						
		1949	1	14570	4.2	606						
		1950	5	10436	4.3	431	1	11320	445			
		1951	16	9691	4.1	396	5	8934	366			
		1952	31	10390	4.3	444	8	9611	381			
		1953	38	11769	4.2	486	15	10942	409	11	9541	389
		1954	34	10792	4.3	459	16	11634	471	14	10507	450
		1955	11	11447	4.3	492	10	10730	435	7	9787	408
		1956	30	10643	4.3	454	17	10451	459	15	10762	442
		1957	25	11027	4.3	469	10	10563	437	7	10457	450
		1958	22	11260	4.2	475	7	9663	405	6	9539	395
		1959	28	11921	4.0	479	15	9807	413	15	10208	415
		1960	3	12217	4.1	500	2	10790	417	1	9558	372
	ALL BREEDS	1947	175	10659	4.0	407	6	14775	535			
		1948	191	10643	4.1	412	26	12582	469			
		1949	387	10015	4.3	410	64	11198	439			
		1950	609	10465	4.2	421	178	11171	442			
		1951	770	10763	4.0	417	349	11239	428			
		1952	1159	10767	4.0	419	699	11321	429			
		1953	1458	11072	4.0	425	1170	11277	427	624	11199	428
		1954	1604	11295	3.9	423	1571	11594	429	1105	11496	433
		1955	1720	11521	3.8	427	1547	11841	437	1326	11685	430
		1956	1618	11486	3.8	425	1445	11763	436	1274	12064	448
		1957	1358	11578	3.7	425	1196	11799	435	1089	11649	435
		1958	1720	11915	3.8	445	1363	11946	447	1115	11940	442
		1959	2960	12053	3.9	454	2817	11946	452	2164	12200	478
		1960	633	12196	3.9	463	564	11922	457	196	12044	456
003	GUERNSEY	1948	1	9780	5.0	488						
		1952	1	8800	5.0	438						
		1953	1	8740	4.9	426						
	HOLSTEIN	1947	13	10619	3.4	362						
		1948	18	11013	3.7	394						
		1949	18	12461	3.5	431	1	13660	482			
		1950	14	11059	3.4	378						
		1951	11	12816	3.5	451	1	13690	473			
		1952	7	11500	3.4	393	2	16600	577			
		1953	3	13393	3.6	430	5	12633	445	2	11489	398
		1954	1	12550	3.2	404	1	11370	392	1	10529	368
		1955	2	12305	3.2	393	2	10705	388	2	11325	399
		1956	2	9695	3.5	343	2	12000	410	2	11004	395
	JERSEY	1947	3	7250	5.5	396						
		1948	3	8117	5.6	454	1	5790	374			
		1949	3	7353	6.0	456	1	7410	366			
		1951	1	8510	5.2	442						
		1952	1	4620	6.2	286						
		1953	3	9360	4.8	418	1	8580	376			
		1956	1	8666	5.2	449						
	ALL BREEDS	1947	16	9988	3.6	369						
		1948	22	10562	4.0	407	1	5790	374			
		1949	21	11731	3.9	432	2	10535	424			
		1950	14	11059	3.4	378						
		1951	12	12458	3.7	450	1	13690	473			
		1952	9	10456	3.9	386	2	16600	577			
		1953	7	11000	4.3	458	4	11658	428	2	11489	398
		1954	1	12550	3.2	404	1	11370	392	1	10529	368
004	GUERNSEY	1955	2	12305	3.2	393	2	10705	388	2	11325	399
		1956	3	9483	4.0	378	2	12000	410	2	11004	395
		1947	29	8912	4.8	424						
		1948	12	8199	4.7	383						
		1949	12	8704	4.6	396	2	9430	446			
		1950	6	8678	4.7	402	2	8425	394			
		1951	9	9051	4.6	407	3	7827	369			

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
		1953	5	7426	4.4	324	3	8137	386	3	7630	393
		1954	5	8678	4.4	381	3	8373	329	2	7805	404
		1955	1	7290	3.8	277						
		1956	1	11240	4.5	503	1	8710	422	1	8001	397
		1957	1	9260	4.2	387	1	10590	418	1	9396	391
		1958	1	9350	5.1	475	1	8860	437	1	8164	419
		1959	1	10120	4.4	450	1	8610	411	1	8731	441
	HOLSTEIN	1947	47	11304	3.5	399	2	11335	456			
		1948	51	11944	3.6	427	4	11158	410			
		1949	71	12129	3.5	427	15	11021	395			
		1950	100	11718	3.5	412	28	12176	440			
		1951	96	11726	3.6	418	45	12021	424			
		1952	87	11622	3.5	410	59	12437	431			
		1953	77	12145	3.5	422	74	12519	437	60	11913	424
		1954	64	12218	3.4	415	59	12527	439	52	11901	422
		1955	38	13073	3.4	448	35	13229	461	32	13017	462
		1956	26	13371	3.5	465	22	12822	455	21	13291	472
		1957	14	13167	3.4	444	12	12162	441	11	12888	454
		1958	13	14232	3.3	472	10	13621	480	6	12588	446
		1959	10	15453	3.4	527	7	13506	484	7	13310	473
		1960	1	16080	3.6	573	1	14910	581	1	14955	566
	JERSEY	1947	3	6633	5.5	364						
		1948	5	6320	5.4	345						
		1949	2	7680	4.9	380						
		1950	2	7530	5.2	394	1	7570	351			
		1951	1	7830	5.0	391	1	8010	367			
		1952	1	8950	4.4	394	1	8780	402			
		1956	1	8450	4.9	416	1	8690	427	1	8667	405
	BROWN SWISS	1947	2	11330	4.5	502						
		1948	3	9487	4.3	413						
		1949	2	13020	4.0	509						
		1950	4	13168	4.1	532	2	12630	438			
		1951	9	10602	4.3	454	4	11913	467			
		1952	6	11398	4.2	482	6	10607	429			
		1953	7	11341	4.2	477	6	10785	431	6	11695	476
		1954	3	10710	4.3	465	3	10987	450	3	9592	392
		1955	4	13050	4.0	526	4	11965	484	4	10137	412
		1956	3	11153	3.9	440	3	10433	460	3	11598	471
		1957	1	11800	3.7	433						
	ALL BREEDS	1947	81	10275	4.1	409	2	11335	456			
		1948	71	10811	3.9	413	4	11158	410			
		1949	87	11575	3.7	423	17	10234	401			
		1950	112	11532	3.6	416	33	11836	435			
		1951	115	11395	3.7	420	53	11700	423			
		1952	101	11380	3.7	414	68	12086	426			
		1953	89	11616	3.6	421	83	12235	434	69	11767	427
		1954	72	11910	3.5	414	65	12264	437	57	11635	420
		1955	43	12936	3.5	431	39	13099	464	36	12677	456
		1956	31	12929	3.6	463	27	12251	454	26	12715	467
		1957	16	12638	3.5	439	13	12041	439	12	12597	448
		1958	14	13884	3.5	472	11	13188	476	7	12077	443
		1959	11	14968	3.5	520	8	12894	475	6	12738	469
		1960	1	16080	3.6	573	1	14910	581	1	14955	566
005	GUERNSEY	1947	8	6278	4.6	299						
		1948	19	7575	4.8	364	3	7393	377			
		1949	24	7953	4.8	378	6	9038	423			
		1950	30	7998	4.7	375	8	7986	378			
		1951	43	7532	4.7	356	17	8393	397			
		1952	50	7558	4.8	361	27	8476	383			
		1953	35	7341	4.7	344	22	8473	381	27	8110	376
		1954	29	7976	4.8	382	26	8257	382	26	8718	397
		1955	12	7412	4.9	355	12	9852	412	10	9200	424
		1956	9	7343	4.8	360	9	8647	405	8	8778	417
		1957	7	7680	4.7	361	6	9417	418	6	9251	418
		1958	3	8140	4.7	382	3	8637	425	3	8255	411
		1959	1	9580	3.6	343	1	7290	350			
	HOLSTEIN	1947	19	11270	3.5	391						
		1948	19	9456	3.5	333	1	7850	342			
		1949	17	11475	3.7	418	2	11165	434			
		1950	20	10832	3.6	383	3	12267	466			
		1951	17	11131	3.7	407	4	12080	438			
		1952	9	11762	3.6	426	3	12797	496			
		1953	7	10409	3.8	391	6	11517	407	7	12256	435
		1954	1	11540	3.8	436	1	12050	428	1	11532	412
		1955	1	10050	3.4	346	1	7110	313	1	9843	329
		1956	1	11120	3.4	383	1	10670	383	1	11434	395
		1957	1	10270	3.5	358	1	11950	406	1	11609	397
		1959	1	11230	3.5	396	1	4320	162	1	11580	423

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
	JERSEY	1947	7	8411	5.6	466						
		1948	6	7453	5.0	372						
		1949	10	7826	5.0	396						
		1950	10	7525	5.0	376						
		1951	4	8825	5.1	449	1	8630	511			
		1952	4	8403	5.6	472						
		1953	12	8376	5.4	455	5	7610	412	4	8262	441
		1954	15	8401	5.5	455	8	8108	410	5	7905	403
		1955	8	8465	5.3	447	3	8793	440	2	8502	402
		1956	3	8713	5.0	443	2	9805	530	1	9025	480
		1957	3	8907	5.4	481	2	8570	448	1	8197	446
		1958	2	7620	5.9	445	2	9130	480	1	9025	488
		1959	6	9547	5.5	513	6	8572	443	5	8733	463
		1960	4	7990	5.2	410	4	7523	388			
	ALL BREEDS	1947	34	9507	4.2	385						
		1948	44	8371	4.3	352	4	7508	369			
		1949	51	9102	4.5	395	8	9570	426			
		1950	60	8864	4.4	378	11	9154	402			
		1951	64	8569	4.5	375	22	9074	409			
		1952	63	8212	4.7	377	30	8968	394			
		1953	54	7968	4.7	375	43	8797	388	30	8890	394
		1954	45	8197	5.0	407	57	8327	389	34	8681	399
		1955	21	7939	4.9	390	16	9607	411	13	9604	414
		1956	13	7950	4.8	381	12	9042	424	10	9068	421
		1957	11	8250	4.8	393	9	9510	423	8	9414	419
		1958	5	7932	5.2	407	5	8834	447	4	8448	430
		1959	8	9761	5.0	477	8	7880	396	6	9174	456
		1960	4	7990	5.2	410	4	7523	383			
006	GUERNSEY	1947	7	7996	4.7	366						
		1948	1	8380	4.6	385						
		1949	9	6990	4.7	327	1	8740	457			
		1950	1	7260	4.7	344	1	4970	249			
		1952	1	5630	5.0	280	1	7870	370			
		1955	1	7220	4.1	298	1	7560	347			
		1956	1	9920	4.7	468	1	7120	324	1	7096	325
		1957	1	10300	4.8	490				1	7172	330
	HOLSTEIN	1947	3	11140	3.2	352						
		1948	4	10988	3.4	376						
		1949	10	12388	3.4	419						
		1950	16	11015	3.4	370	3	9980	351			
		1951	17	10948	3.6	390	10	11026	415			
		1952	14	11550	3.4	396	10	11109	411			
		1953	14	11047	3.4	369	14	10524	374	10	10627	379
		1954	10	10213	3.5	357	10	10960	395	8	11096	401
		1955	3	13197	3.3	442	3	10887	407	5	10678	392
		1956	4	11060	3.6	398	4	11233	396	5	11830	421
		1957	2	12175	3.4	404	2	10975	393	2	11614	422
		1958	1	11870	3.3	393	1	11630	409	1	11718	409
	ALL BREEDS	1947	10	8939	4.2	362						
		1948	5	10466	3.6	378						
		1949	19	9631	4.0	375	1	8740	457			
		1950	17	10794	3.5	368	4	8728	325			
		1951	17	10948	3.6	390	10	11026	415			
		1952	15	11155	3.5	388	11	10815	407			
		1953	14	11047	3.4	369	14	10524	374	10	10627	379
		1954	10	10213	3.5	357	10	10960	395	8	11096	401
		1955	4	11703	3.5	406	4	10060	392	5	10678	392
		1956	5	10832	3.8	412	5	10410	361	4	10647	397
		1957	3	11550	3.8	432	2	10975	393	3	10133	391
		1958	1	11870	3.3	393	1	11630	409	1	11718	409

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.		RECORDS NO.	MILK LB.	FAT LB.
002	GUERNSEY	1953	1	11940	4.5	538	1	9660	436		1	10202	460
		1955	1	8560	4.8	408	1	9490	428		1	7298	468
		1956	1	7840	4.6	364	1	9900	461		1	9265	444
		1959	5	9634	5.2	498	3	9410	453		3	9229	458
		1960	1	7100	3.9	277	1	6960	318		1	7412	342
	HOLSTEIN	1952	9	13171	3.8	496	3	14460	514				
		1953	77	13558	3.7	502	64	13723	514		51	13147	492
		1954	92	13613	3.7	512	76	14114	525		66	13276	497
		1955	93	13928	3.7	516	79	13903	514		72	13087	482
		1956	127	14170	3.7	529	113	14361	541		112	13634	511
		1957	199	13640	3.8	512	173	13992	532		163	13730	523
		1958	174	13466	3.7	496	129	13069	502		106	12983	488
		1959	174	13146	3.7	487	165	13177	487		152	13443	499
		1960	25	13472	3.6	487	22	13118	489		8	12696	476
	BROWN SWISS	1952	1	8980	4.2	380							
		1953	1	11660	4.5	508	1	11230	470		1	9025	386
		1955	2	9905	4.1	406	2	10305	426		2	7538	321
		1956	1	7570	4.4	332	1	9860	410		1	8578	358
		1958	1	7800	4.1	320	1	9050	373		1	8360	347
	ALL BREEDS	1952	10	12752	3.8	484	3	14460	514				
		1953	79	13516	3.7	503	66	13623	512		53	13013	489
		1954	92	13813	3.7	512	76	14114	525		66	13276	497
		1955	96	13789	3.7	512	82	13761	511		75	12889	478
		1956	129	14070	3.7	526	115	14283	539		114	13551	509
		1957	199	13640	3.8	512	173	13992	532		163	13730	523
		1958	175	13433	3.7	497	130	13038	501		107	12940	487
		1959	179	13048	3.6	488	168	13109	486		155	13361	498
		1960	26	13227	3.6	479	23	12850	481		9	12109	461
003	GUERNSEY	1949	1	7930	5.8	460							
		1950	8	8926	5.5	490	1	7470	425				
		1951	20	8269	5.7	463	9	9230	486				
		1952	16	8050	5.5	435	11	9685	477				
		1953	23	8121	5.4	429	17	9011	455		15	6941	456
		1954	12	7393	5.3	392	9	9260	431		7	9336	438
		1955	20	7865	5.0	391	11	9801	466		11	9262	433
		1956	21	7570	5.0	380	10	9382	463		9	10022	472
		1957	5	8592	5.2	443	5	9448	472		5	8966	451
		1958	5	9938	5.2	515	4	9818	516		3	10937	546
	HOLSTEIN	1949	5	8692	4.8	421	4	8280	417		4	9036	459
		1950	3	12803	3.7	453							
		1951	16	13852	3.8	528	4	15688	581				
		1952	26	13620	3.7	509	11	14049	504				
		1953	49	13661	3.8	515	26	14140	513				
		1954	45	13639	3.8	515	37	13220	486		32	13344	490
		1955	41	13468	3.8	514	46	13540	498		39	13499	505
		1956	36	13174	3.7	481	33	13814	504		35	13240	481
		1957	23	13534	3.6	491	22	13799	512		22	13507	499
		1958	10	13619	3.6	496	10	13569	504		10	13704	511
	JERSEY	1949	8	14905	3.8	567	8	13445	536		5	14855	551
		1950	4	16375	3.8	630	3	14677	528		3	14606	539
		1953	1	8260	4.6	378	1	8390	431				
		1954	2	6635	4.8	312	1	8340	419		1	8131	405
		1955	1	9520	4.6	437	1	8830	493		1	8938	458
		1956	1	10460	4.5	475	1	9930	487		1	9559	485
	BROWN SWISS	1950	4	9063	4.0	362							
		1951	8	8789	4.2	365	2	9020	381				
		1952	8	9265	4.1	378	1	8320	350				
		1953	3	7967	4.2	337	1	7950	338		1	8502	355
		1954	2	8625	3.9	337	1	9930	410		1	10519	446
		1955	1	8130	3.6	297							
		1956	1	10640	4.1	439							
		1957	1	11360	4.0	451							
		1958	3	12187	3.8	454							
		1959	1	10500	3.7	385							
	ALL BREEDS	1949	4	11030	4.2	455							
		1950	28	11760	4.3	494	5	14044	550				
		1951	54	10922	4.5	471	22	11620	485				
		1952	73	11949	4.2	482	38	12697	499				
		1953	72	11578	4.3	478	56	11762	473		48	11867	477
		1954	57	11780	4.2	475	51	12613	483		48	12719	492
		1955	58	11194	4.1	446	45	12722	495		45	12177	469
		1956	46	10632	4.3	439	33	12343	497		32	12403	491
		1957	16	11907	4.1	477	15	12195	493		15	12125	491
		1958	16	12843	4.2	529	12	12236	529		8	13365	549
		1959	10	11946	4.3	501	7	11021	464		7	11423	493

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRELS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERO AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
004	JERSEY	1949	4	8275	5.3	425						
		1950	1	9080	4.6	418						
		1951	2	10570	4.5	476						
		1952	1	9110	4.4	398						
	ALL BREEDS	1949	4	8275	5.3	425						
		1950	1	9080	4.6	418						
		1951	2	10570	4.5	476						
		1952	1	9110	4.4	398						
	JERSEY	1947	39	7828	5.1	401						
		1948	29	7971	5.3	420	4	8190	422			
		1949	28	8213	5.3	436	8	7186	379			
		1950	24	8385	5.4	449	8	7444	386			
		1951	25	7581	5.2	395	9	7154	377			
		1952	32	7465	5.3	393	11	7115	370			
		1953	34	7891	5.3	417	17	7553	390	9	8315	455
		1954	21	7812	5.4	424	12	8216	419	13	7854	402
		1955	16	6816	5.2	353	8	8049	398	6	7844	391
		1956	11	7088	5.2	366	6	8582	445	6	7995	414
		1957	3	7400	4.6	351	2	8220	429	1	7423	361
		1958	2	8550	4.9	421						
		1959	3	8787	5.3	461	1	9150	452	1	8578	436
	ALL BREEDS	1947	39	7828	5.1	401						
		1948	29	7971	5.3	420	4	8190	422			
		1949	28	8213	5.3	436	8	7186	379			
		1950	24	8385	5.4	449	8	7444	386			
		1951	25	7581	5.2	395	9	7154	377			
		1952	32	7465	5.3	393	11	7115	370			
		1953	34	7891	5.3	419	17	7553	390	9	8315	455
		1954	21	7812	5.4	424	12	8216	419	13	7854	402
		1955	16	6816	5.2	353	8	8049	398	6	7844	391
		1956	11	7088	5.2	366	6	8582	445	6	7995	414
		1957	3	7400	4.6	351	2	8220	429	1	7423	361
		1958	2	8550	4.9	421						
		1959	3	8787	5.3	461	1	9150	452	1	8578	436
006	HOLSTEIN	1949	5	12656	3.4	444	1	16260	369			
		1950	18	12508	3.5	435	9	13081	441			
		1951	31	12647	3.5	440	21	12833	424			
		1952	27	12337	3.4	422	23	13105	437			
		1953	47	12777	3.4	434	46	13090	433	46	12375	434
		1954	44	13284	3.3	429	43	13163	428			
		1955	32	12171	3.1	379	31	12250	395	31	12939	441
		1956	28	13526	3.1	412	27	13173	435	27	12427	409
		1957	17	12982	3.1	402	16	11807	391	16	14541	496
		1958	12	12279	3.4	413	12	11698	405	9	11262	376
		1959	7	11769	3.4	397	7	11837	458	7	11864	414
		1960	1	14050	3.2	454	1	7340	335	1	14584	517
	ALL BREEDS	1949	5	12656	3.4	444	1	16260	369			
		1950	18	12508	3.5	435	9	13081	441			
		1951	31	12647	3.5	440	21	12833	424			
		1952	27	12337	3.4	422	23	13105	437			
		1953	47	12777	3.4	434	46	13090	433	46	12395	434
		1954	44	13284	3.3	429	43	13163	428			
		1955	32	12171	3.1	379	31	12250	395	31	12939	441
		1956	28	13526	3.1	412	27	13173	435	27	12427	409
		1957	17	12982	3.1	402	16	11807	391	16	14541	496
		1958	12	12279	3.4	413	12	11698	405	9	11262	376
007	HOLSTEIN	1948	3	12243	3.7	449						
		1949	17	13189	3.7	477						
		1950	22	13296	3.6	482	1	11730	390			
		1951	15	12661	3.6	458						
		1952	17	12709	3.6	454	2	13925	495			
		1953	16	12376	3.7	454	4	12540	447	3	11714	410
		1954	1	14920	2.6	388	1	10730	383			
		1955	4	13905	3.8	525	1	16270	555	1	14094	500
		1956	4	12703	3.8	476	1	13450	488	1	10148	366
		1957	1	9850	3.4	359	1	9270	301	1	16638	359
		1960	1	12930	3.3	429	1	12800	479			
	ALL BREEDS	1948	3	12243	3.7	449						
		1949	17	13189	3.7	477						
		1950	22	13296	3.6	482	1	11730	390			
		1951	15	12661	3.6	458						
		1952	17	12709	3.6	454	2	13925	495			
		1953	16	12376	3.7	454	4	12540	447	3	11714	410
		1954	1	14920	2.6	388	1	10730	383			
		1955	4	13905	3.8	525	1	16270	555	1	14094	500
		1956	4	12703	3.8	476	1	13450	488	1	10148	366
		1957	1	9850	3.4	359	1	9270	301	1	16638	359

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE				
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.		
		1957	1	9850	3.4	339	1	9270	301	1	10638	359		
		1960	1	12930	3.3	429	1	12800	479					
009	GUERNSEY	1950	3	8113	5.1	416								
		1951	6	8408	5.2	436								
		1952	10	7351	5.4	396			9000	468				
		1953	8	7706	5.3	408		2	9085	464	2	9609	488	
		1954	5	8586	4.7	402		3	8693	463	3	9541	477	
		1955	2	7150	5.1	358		2	9345	484	1	9995	500	
		1956	3	8623	4.8	412		3	10303	500	3	9330	453	
		1957	5	7720	4.7	361		5	7204	331	5	8526	426	
		1958	3	8230	4.8	397		3	9387	454	3	8088	393	
		1959	3	7880	4.8	376		3	8177	388	3	7650	373	
	HOLSTEIN	1954	1	11690	3.7	435								
		1955	1	21700	3.9	840		1	15830	526	1	14857	552	
		1956	2	10735	3.7	392		2	12565	433	1	11816	395	
		1957	8	12124	3.6	439		7	12049	407	8	12509	428	
		1958	6	11398	3.7	415		5	11510	396	5	11271	383	
		1959	3	12477	3.3	415		3	12070	414	3	11510	389	
		1960	1	10860	3.8	469		1	11290	389				
	ALL BREEDS	1950	3	8113	5.1	416								
		1951	6	8408	5.2	436								
		1952	10	7351	5.4	396		1	9000	468				
1953		8	7706	5.3	408		2	9085	464	2	9609	488		
1954		6	9103	4.5	407		3	8693	463	3	9541	477		
1955		3	12000	4.7	519		3	11507	498	2	12426	526		
1956		5	9468	4.3	404		5	11208	473	4	9952	439		
1957		13	10430	4.0	409		12	10030	375	13	10977	427		
1958		9	10342	4.1	409		8	10714	413	8	10077	387		
1959		6	10178	4.1	396		6	10133	401	6	9570	381		
1960	1	10860	3.8	409		1	11290	389						
010	GUERNSEY	1951	1	8180	5.2	428								
		1952	1	8940	5.7	508								
		1953	9	8083	4.8	363		3	7820	360	1	10628	486	
		1954	11	8199	4.7	381		7	9784	420	7	9475	435	
		1955	4	9320	4.6	429		4	10055	369	4	10682	437	
		1956	5	9612	4.5	426		4	10028	434	4	10818	441	
		1957	3	6377	4.6	290		1	9610	430	1	11641	437	
		1958	3	9957	4.3	434		3	10223	445	3	9777	437	
		1959	3	8883	4.7	412		3	9453	410	2	10175	458	
	HOLSTEIN	1954	4	13145	3.6	464		4	12913	471	4	12023	453	
		1955	1	13460	3.4	459		1	12760	465				
		1957	1	12740	3.2	411		1	12790	479	1	13952	489	
		1958	1	4690	4.1	192		1	13540	498				
	ALL BREEDS	1951	1	8180	5.2	428								
		1952	1	8940	5.7	508								
		1953	9	8083	4.8	363		3	7820	360	1	10628	486	
		1954	15	9518	4.4	403		11	10922	438	11	10402	442	
		1955	5	10148	4.4	435		5	10596	404	4	10682	437	
		1956	5	9612	4.5	426		4	10028	434	4	10818	441	
1957		4	7968	4.2	321		2	11200	455	2	12797	463		
1958		4	8640	4.3	374		4	11053	459	3	9777	437		
1959		3	8883	4.7	412		3	9453	410	2	10175	458		
011	GUERNSEY	1947	3	9693	4.1	400								
		1948	4	10048	4.7	471		1	11490	431				
		1949	4	9730	4.8	461		1	8100	373				
		1950	2	6180	4.8	296								
		1951	6	9708	4.7	456		2	8215	388				
		1952	18	9325	4.7	441		10	9693	455				
		1953	18	8926	4.8	427		12	9668	462	10	9673	462	
		1954	11	9555	5.0	477		8	12126	628	8	10164	522	
		1955	12	10777	5.0	543		12	10253	588	12	10211	544	
		1956	9	9533	5.1	481		6	11157	572	7	9734	513	
		1957	11	10696	4.9	521		8	11065	536	7	9826	513	
		1958	7	9923	4.8	480		7	10449	514	6	9634	483	
		1959	8	9433	4.7	437		6	9222	474	6	9569	483	
		ALL BREEDS	1947	3	9693	4.1	400							
			1948	4	10048	4.7	471		1	11490	431			
	1949		4	9730	4.8	461		1	8100	373				
	1950		2	6180	4.8	296								
	1951		6	9708	4.7	456		2	8215	388				
	1952		18	9325	4.7	441		10	9693	455				
	1953		18	8926	4.8	427		12	9668	462	10	9673	462	
1954	11		9555	5.0	477		8	12126	628	8	10164	522		

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	303-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
		1959	8	9433	4.7	437	6	9222	474	6	9569	483
012	HOLSTEIN	1954	3	12293	3.6	441	3	13957	509	3	13178	487
		1955	7	15649	3.5	540	6	13893	506	6	13167	474
		1956	5	13536	3.5	478	5	13012	472	5	13771	500
		1957	3	13313	3.6	468	3	11663	415	3	12143	433
		1958	4	11513	3.4	388	4	12713	516	2	11401	402
		1959	3	12837	3.2	410	3	11833	425	2	12099	417
	ALL BREEDS	1954	3	12293	3.6	441	3	13957	509	3	13178	487
		1955	7	15649	3.5	540	6	13893	506	6	13167	474
		1956	5	13536	3.5	478	5	13012	472	5	13771	500
		1957	3	13313	3.6	468	3	11663	415	3	12143	433
		1958	4	11513	3.4	388	4	12713	516	2	11401	402
		1959	3	12837	3.2	410	3	11833	425	2	12099	417
013	GUERNSEY	1947	1	9350	5.4	506						
		1950	1	6880	4.3	294						
		1951	1	9460	5.1	483						
		1952	2	7700	5.2	397						
		1953	1	5610	4.7	261						
	HOLSTEIN	1947	2	10420	3.5	357						
		1948	1	11720	3.6	417						
		1949	3	12213	3.4	407	1	13940	481			
		1950	6	16627	3.5	586	1	14570	488			
		1951	10	14585	3.7	529	1	14830	500			
		1952	9	15142	3.5	521	4	14175	502			
		1953	7	16534	3.3	548	1	13390	460			
		1954	5	16302	3.5	568	5	17776	598	3	14857	514
		1955	5	17220	3.6	628	5	18548	648	5	16197	558
		1956	5	14170	3.6	506	5	18548	648	5	17429	601
		1957	2	18805	3.7	686	5	15742	544	2	12017	413
		1959	1	17860	3.5	625	2	17400	624	2	17571	621
	JERSEY	1947	5	8206	5.3	432	1	19450	745			
		1948	4	7093	5.0	360						
		1949	6	7418	5.1	380						
		1950	3	5930	5.5	333	1	7140	354			
		1951	10	7875	5.2	411	3	7947	388			
		1952	15	7447	5.3	388	5	6530	318			
		1953	4	7298	4.9	350	1	7010	346	2	7009	361
		1954	7	7591	4.9	369	6	6430	310			
		1955	7	6597	5.2	337	7	6867	339	7	6889	350
		1956	5	6590	4.9	322	5	7248	360	5	6627	337
	ALL BREEDS	1947	8	8903	4.9	422						
		1948	5	8018	4.7	371						
		1949	9	9017	4.5	389	1	13940	481			
		1950	10	12443	4.2	481	2	10355	421			
		1951	21	11146	4.5	471	4	9668	416			
		1952	26	10130	4.6	434	9	9928	400			
		1953	12	12545	3.9	458	2	10200	403	5	11718	453
		1954	12	11221	4.3	452	11	11587	441	5	16197	558
		1955	12	11023	4.5	458	12	11734	468	12	11281	455
		1956	10	10380	4.3	414	10	11495	452	7	8167	359
		1957	2	18805	3.7	688	2	17400	624	2	17571	621
		1959	1	17860	3.5	625	1	19450	745			
014	GUERNSEY	1951	1	3480	4.0	138	1	7480	359			
		1952	1	8350	4.4	371	1	5560	248			
		1953	1	4860	4.4	214	1	7580	377	1	8121	388
		1957	2	8820	4.7	413	2	9840	463	1	8557	382
		1958	2	11335	4.4	490	1	10200	434	1	10595	467
		1959	1	7230	4.7	343	1	9650	415	1	8840	387
	ALL BREEDS	1951	1	3480	4.0	138	1	7480	359			
		1952	1	8350	4.4	371	1	5560	248			
		1953	1	4860	4.4	214	1	7580	377	1	8121	388
		1957	2	8820	4.7	413	2	9840	463	1	8557	382
		1958	2	11335	4.4	490	1	10200	434	1	10595	467
		1959	1	7230	4.7	343	1	9650	415	1	8840	387
016	HOLSTEIN	1947	20	12370	3.9	480	2	14325	471			
		1948	14	12268	3.6	471	5	13978	535			
		1949	15	13597	3.9	523	5	14232	552			
		1950	11	13775	3.8	524	4	12618	466			
		1951	4	12783	4.2	535	3	13800	520			
		1952	2	13485	4.2	559	2	13690	523			
		1953	2	14325	4.2	605	2	14590	533	1	12840	487
		1954	1	13010	3.9	504	1	13290	502	1	12797	477
		1955	2	11110	3.8	424	2	10966	395	2	11811	409
		1956	1	12090	3.7	450	1	11510	414	1	11870	432

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE RECORDS NO.	MILK LB.	FAT LB.
	ALL BREEDS	1947	20	12370	3.9	480	2	14325	471			
		1948	14	12268	3.8	471	5	13978	535			
		1949	15	13597	3.9	523	5	14232	552			
		1950	11	13775	3.8	524	4	12818	486			
		1951	4	12783	4.2	535	3	13800	520			
		1952	2	13485	4.2	559	2	13690	523			
		1953	2	14325	4.2	605	2	14590	533	1	12840	487
		1954	1	13010	3.9	504	1	13290	502	1	12797	477
		1955	2	11110	3.8	424	2	10960	395	2	11811	409
		1956	1	12090	3.7	450	1	11510	414	1	11870	432
018	JERSEY	1947	5	7494	5.5	410	2	6480	362			
		1948	5	9216	5.1	465						
		1949	4	5953	5.1	305						
		1950	3	6880	5.7	394						
		1951	2	8570	5.4	452						
		1952	2	7145	5.5	390						
		1954	1	6290	5.3	333						
		1955	1	6590	5.2	342						
		1956	2	6320	5.0	311						
		1958	1	4800	5.0	237						
	ALL BREEDS	1947	5	7494	5.5	410	2	6480	362			
		1948	5	9216	5.1	465						
		1949	4	5953	5.1	305						
		1950	3	6880	5.7	394						
		1951	2	8570	5.4	452						
		1952	2	7145	5.5	390						
		1954	1	6290	5.3	333						
		1955	1	6590	5.2	342						
		1956	2	6320	5.0	311						
		1958	1	4800	5.0	237						
075	HOLSTEIN	1954	47	11495	3.9	442	41	12198	467	32	11904	451
		1955	109	11867	3.7	442	91	12115	447	85	11509	425
		1956	169	12449	3.8	467	133	12402	459	106	12075	446
		1957	399	12301	3.8	468	327	12435	464	296	12402	462
		1958	810	13192	3.8	497	712	12907	480	549	12352	467
		1959	1446	12901	3.8	485	1394	12458	462	1207	12637	474
		1960	287	12611	3.7	464	261	12325	456	194	12703	470
	JERSEY	1948	3	7750	5.0	388						
		1949	5	8518	5.0	426						
		1950	4	9425	5.2	485						
		1951	3	9620	5.2	500						
		1952	6	8782	5.1	441						
		1953	26	7102	5.2	368	11	8459	432	5	7774	407
		1954	40	7667	5.2	398	20	7559	379	20	7221	364
		1955	40	7949	5.2	413	19	7970	401	17	7554	380
		1956	35	7421	4.9	363	17	8596	435	17	8366	422
		1957	66	7448	5.0	374	32	8897	450	27	8063	403
		1958	85	7933	5.2	409	29	8272	422	25	8156	413
		1959	131	8244	5.1	418	82	7964	408	85	7959	405
		1960	36	8765	5.1	448	26	8276	425	16	8492	442
	ALL BREEDS	1948	3	7750	5.0	388						
		1949	5	8518	5.0	426						
		1950	4	9425	5.2	485						
		1951	3	9620	5.2	500						
		1952	6	8782	5.1	441						
		1953	26	7102	5.2	368	11	8459	432	5	7774	407
		1954	87	9735	4.5	422	61	10677	438	52	10103	417
		1955	149	10830	4.1	435	110	11399	439	106	10833	417
		1956	204	11586	4.0	449	150	11971	457	123	11562	442
		1957	465	11612	4.0	454	359	12119	462	323	12039	457
		1958	895	12693	3.9	488	741	12726	478	574	12169	464
		1959	1577	12514	3.9	479	1476	12209	459	1292	12329	469
		1960	323	12183	3.8	462	287	11958	453	210	12382	468

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONT. TEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AVERAGE FAT LB.
001	GUERNSEY	1949	4	7803	4.9	363	1	8316	402			
		1950	28	7986	4.7	375	5	9396	426			
		1951	51	8215	4.8	395	15	8361	385			
		1952	98	8306	4.8	394	54	8715	407			
		1953	132	8492	4.9	434	107	9152	433		9011	423
		1954	194	8754	4.8	416	175	8969	423	153	8914	423
		1955	205	9167	4.7	433	190	9529	443	161	9487	441
		1956	195	9043	4.8	430	175	9971	463	170	9296	430
		1957	157	8521	4.8	406	134	9560	453	136	9096	431
		1958	120	8693	4.7	409	96	10410	457	77	9381	432
		1959	117	9096	4.8	435	168	9641	443	54	9707	454
		1960	52	8621	4.7	401	49	9062	421	26	9581	449
	HOLSTEIN	1947	795	11950	3.6	434	22	12131	429			
		1948	547	12131	3.6	441	61	12759	472			
		1949	830	12260	3.7	454	160	13353	483			
		1950	1061	12400	3.7	460	309	13080	479			
		1951	1380	12070	3.7	447	582	12547	462			
		1952	1712	12189	3.7	453	1018	12548	461			
		1953	2023	12407	3.7	461	1741	12473	459	1429	12095	443
		1954	2303	12132	3.7	452	2165	12302	453	1699	12167	449
		1955	2571	12218	3.7	456	2424	12511	461	2185	12181	449
		1956	2762	12372	3.8	464	2639	12863	477	2383	12304	455
		1957	2910	12151	3.8	461	2696	12767	478	2478	12431	464
		1958	3445	12605	3.8	480	2866	12536	480	2344	12343	464
		1959	5228	12573	3.8	479	5086	12465	472	3261	12779	483
		1960	1750	12582	3.8	475	1680	12457	470	736	12344	465
	1961	3	7460	3.8	303	2	10375	464	3	12233	470	
	JERSEY	1952	3	8420	4.8	405	1	6490	351			
		1953	13	8295	5.2	427	8	7655	390	9	7912	404
		1954	7	8057	5.3	423	6	7712	403	6	7672	401
		1955	5	8040	5.1	409	2	7250	374	2	7227	373
		1956	4	8060	5.7	462	1	6670	361	1	7488	366
		1957	7	8141	5.4	440	3	8247	412	3	7630	387
		1958	15	8199	5.1	410	9	8462	423	9	7824	406
		1959	51	7756	5.0	389	42	8200	411	20	8820	420
		1960	18	8061	5.1	410	13	7915	409	6	8100	413
	BROWN SWISS	1951	9	10557	4.3	444	2	11868	480			
		1952	54	11034	4.2	465	26	11363	463			
		1953	148	11212	4.2	465	164	11565	475	92	10777	442
		1954	201	11075	4.2	457	158	11498	470	135	10865	446
1955		265	11088	4.1	458	215	11629	472	190	11349	463	
1956		285	11349	4.2	475	223	12031	493	207	11379	465	
1957		313	11008	4.2	459	235	11674	462	216	11510	472	
1958		409	11188	4.2	469	191	11480	475	181	11345	466	
1959		507	11172	4.2	471	367	11174	464	219	11623	443	
1960	189	10661	4.2	455	149	10810	448	56	10317	430		
M. SHORTHORN	1954	2	10390	3.9	403	2	8330	303	2	5853	226	
	1955	4	7955	3.8	300	3	8880	337	3	6867	232	
	1956	5	7438	4.4	323	5	10262	388	5	7364	281	
	1957	11	7703	3.8	296	8	8566	305	7	6110	228	
	1958	7	8451	3.7	316	4	8750	313	4	6554	240	
	1959	11	9141	4.0	361	8	9026	342	4	9264	360	
	1960	4	10148	3.6	374	3	9573	350	3	9621	347	
ALL BREEDS	1947	795	11950	3.6	434	22	12131	429				
	1948	547	12131	3.6	441	61	12759	472				
	1949	834	12239	3.7	454	161	13321	483				
	1950	1089	12286	3.7	458	314	13021	478				
	1951	1440	11924	3.6	446	599	12440	460				
	1952	1867	11946	3.8	450	1099	12326	458				
	1953	2316	12113	3.8	459	1960	12224	458	1621	11824	441	
	1954	2707	11800	3.8	450	2506	12004	452	2195	11842	447	
	1955	3050	11902	3.8	454	2834	12237	461	2541	11938	449	
	1956	3251	12070	3.9	462	3043	12629	477	2766	12040	454	
	1957	3398	11856	3.9	457	3070	12527	477	2840	12181	463	
	1958	3996	12318	3.9	476	3166	12408	478	2615	12162	463	
	1959	5914	12336	3.9	476	5611	12308	470	3558	12370	481	
	1960	2013	12273	3.9	470	1694	12204	466	625	12076	462	
1961	3	7460	3.8	303	2	10875	464	3	12233	470		
002	GUERNSEY	1949	5	8750	4.7	408	3	11190	563			
		1950	25	8756	4.8	422	5	8038	430			
		1951	57	7977	4.8	385	19	8371	420			
		1952	84	8158	4.8	393	41	8419	399			
		1953	120	8274	4.8	395	95	8433	395	86	8476	398
		1954	133	8527	4.7	400	123	8831	409	117	8784	409
		1955	149	8375	4.7	391	140	8869	417	125	8765	411
		1956	107	8496	4.8	403	99	9192	419	80	8618	403
		1957	76	8331	4.8	400	68	9823	447	65	9403	430
		1958	50									

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY RECORDS NO.	HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.		RECORDS NO.	MILK LB.	FAT LB.
001	HOLSTEIN	1959	52	8805	4.8	415	49	9386	419	26	9973	449	
		1960	23	7870	4.6	367	23	8836	376	9	8420	386	
		1948	31	10201	3.6	363	4	12130	440				
		1949	76	11038	3.6	397	15	12356	452				
		1950	127	11558	3.6	415	38	12215	439				
		1951	176	12049	3.6	437	62	12633	456				
		1952	318	11613	3.7	433	192	12240	448				
		1953	432	11595	3.7	432	381	11854	438	330	11915	437	
		1954	711	11470	3.7	425	670	11592	426	559	11500	425	
		1955	876	11418	3.7	421	834	11747	432	747	11724	433	
		1956	775	11596	3.7	429	717	12066	447	683	11776	435	
		1957	656	11410	3.7	424	579	11968	443	551	11834	441	
	1958	777	11899	3.7	441	648	12168	455	483	11904	444		
	1959	1204	12316	3.7	460	1146	12441	461	713	12510	464		
	1960	386	12202	3.7	451	351	12007	448	126	12111	451		
	JERSEY	1948	2	8050	5.4	437	1	7540	400				
		1949	11	7761	5.3	410	2	7915	431				
		1950	39	7607	5.2	396	5	7372	435				
		1951	66	7706	5.2	395	12	7861	428				
		1952	105	7588	5.2	392	37	7326	395				
1953		114	7661	5.2	399	59	7388	387	45	7664	405		
1954		125	7913	5.1	402	82	7706	405	67	7805	409		
1955		103	7930	5.1	404	64	8051	415	56	7967	413		
1956		90	7768	5.1	393	68	8360	430	56	7863	406		
1957		87	7584	5.1	381	48	8402	427	50	7949	408		
1958		86	7446	5.2	381	53	7911	405	48	8044	414		
1959		127	8019	5.3	419	165	7861	409	41	8665	448		
1960	65	7719	5.3	404	47	7757	400	26	8107	415			
BROWN SWISS	1953	2	10135	4.3	436	1	13370	564	1	12622	506		
	1954	17	10104	4.1	407	8	11396	444	12	9575	393		
	1955	28	9183	4.2	384	16	10776	436	17	10584	440		
	1956	24	10770	4.1	437	18	10560	430	17	10671	447		
	1957	41	9940	4.1	412	29	11189	461	28	10790	439		
	1958	54	10788	4.2	447	23	11282	472	23	11228	466		
	1959	95	11022	4.2	460	73	11326	467	51	11064	452		
	1960	49	9948	4.1	409	34	11013	455	13	10118	421		
M. SHORTHORN	1954	1	7730	4.0	311	1	6280	241	1	5570	216		
	1955	4	7753	3.8	300	2	9125	363	2	7467	286		
	1956	1	5170	3.8	195								
	1957	4	7505	3.9	295	3	9850	392	3	7673	311		
	1958	8	9461	3.9	372	7	8870	371	2	8361	310		
	1959	3	8427	4.2	357	2	7930	315					
	1960												

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERO AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AV. FAT LB.
007	GUERNSEY	1951	15	10927	4.1	452	5	11042	455			
		1952	22	12636	4.2	533	15	11177	462			
		1953	23	12108	4.3	519	15	11369	466	12	11530	489
		1954	14	11344	4.2	477	9	11893	489	7	11559	493
		1955	13	11570	4.3	497	8	12010	484	4	11336	490
		1956	12	10893	4.1	444	8	11873	474	6	10757	446
		1957	8	11706	4.1	478	5	11914	487	4	11140	462
		1958	1	12690	4.6	579	1	9960	388	1	7739	318
		1959	2	10505	4.1	428	1	10420	439	1	10115	422
		1947	11	8477	4.6	366						
		1948	2	9450	3.8	358						
		1949	6	9823	4.8	462	2	11110	500			
		1950	11	8681	4.7	403	2	10670	533			
		1951	14	8749	4.8	416	3	9467	480			
		1952	11	8372	4.8	399	1	8880	432			
		1953	12	8781	4.5	395	2	8425	394	2	8971	440
		1954	13	9027	4.6	417	4	9065	446	4	8737	429
		1955	5	8920	4.7	417	2	9145	427	2	8600	411
		1956	9	9148	4.8	443	3	8667	431	1	8622	421
		1957	5	8850	4.5	397	2	8315	409	1	8785	410
007	HOLSTEIN	1958	4	9958	4.7	474	1	8940	373	1	7167	313
		1959	3	8393	4.5	380	2	9155	415	2	8846	392
		1960	1	8740	4.3	379	1	10750	503			
		1953	1	16830	3.3	556				1	11500	413
		1954	1	14350	3.5	502	1	12240	450	1	12917	476
		1955	1	18260	3.4	619	1	10100	400	1	13952	507
		1957	1	21160	3.4	714	1	14010	537	1	14074	547
		1947	11	8477	4.6	366						
		1948	2	9450	3.8	358						
		1949	6	9823	4.8	462	2	11110	500			
		1950	11	8681	4.7	403	2	10670	533			
		1951	14	8749	4.8	416	3	9467	480			
		1952	11	8372	4.8	399	1	8880	432			
		1953	13	9400	4.4	407	2	8425	394	3	9814	451
		1954	14	9407	4.6	423	5	9700	447	5	9573	439
		1955	6	10477	4.5	451	3	9463	418	3	10384	443
		1956	9	9148	4.8	443	3	8667	431	1	8622	421
		1957	6	10902	4.3	450	3	10213	451	2	11440	479
		1958	4	9958	4.7	474	1	8940	373	1	7167	313
008	GUERNSEY	1959	3	8393	4.5	380	2	9155	415	2	8846	392
		1960	1	8740	4.3	379	1	10750	503			
		1950	2	8430	5.3	443	1	11630	572			
		1951	4	9040	4.7	428	1	10790	575			
		1952	2	10915	4.9	525	2	9130	495			
		1953	2	10890	5.0	535	1	10640	576	2	9625	506
		1954	1	9650	5.1	490	1	12090	641	1	10355	543
		1955	2	12380	5.0	608	2	11385	574	2	10742	550
		1956	2	10625	4.9	516	2	11010	536	2	10884	556
		1957	2	10580	4.7	494	2	11035	524	2	10513	529
		1958	1	10560	4.4	464	1	10570	442	1	10791	487
		1953	1	6760	6.1	415	1	6650	338	1	7129	375
		1954	3	7807	5.3	414	2	8080	395	1	6965	368
		1955	4	5110	5.6	289	2	7510	368			
		1956	2	5780	6.3	366						
		1957	4	5508	6.0	329	1	8600	505	1	2987	174
		1958	21	7520	5.4	403	11	7997	413	5	8042	434
		1959	20	8719	5.4	438	13	7527	393	12	7405	417
		1960	15	7984	5.2	397	12	7236	375	7	8110	431
008	JERSEY	1950	2	8430	5.3	443	1	11630	572			
		1951	4	9040	4.7	428	1	10790	575			
		1952	2	10915	4.9	525	2	9130	495			
		1953	3	9513	5.3	475	2	8645	457	3	8793	462
		1954	4	8268	5.3	433	3	9417	477	2	8660	456
		1955	6	7533	5.4	395	4	9448	481	2	10742	550
		1956	4	8203	5.0	441	2	11010	536	2	10884	556
		1957	6	7198	5.6	384	3	10223	517	3	8004	410
		1958	22	7658	5.4	400	12	8212	416	6	8500	443
		1959	20	8719	5.4	438	13	7527	393	12	7405	417
		1960	15	7984	5.2	399	12	7236	375	7	8110	431
008	ALL BREEDS	1950	2	8430	5.3	443	1	11630	572			
		1951	4	9040	4.7	428	1	10790	575			
		1952	2	10915	4.9	525	2	9130	495			
		1953	3	9513	5.3	475	2	8645	457	3	8793	462
		1954	4	8268	5.3	433	3	9417	477	2	8660	456
		1955	6	7533	5.4	395	4	9448	481	2	10742	550
		1956	4	8203	5.0	441	2	11010	536	2	10884	556
		1957	6	7198	5.6	384	3	10223	517	3	8004	410
		1958	22	7658	5.4	400	12	8212	416	6	8500	443
		1959	20	8719	5.4	438	13	7527	393	12	7405	417
		1960	15	7984	5.2	399	12	7236	375	7	8110	431

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY RECORD AVERAGE									
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	FAT LB.							
000	GUERNSEY	1947	6	7967	5.1	407	2	7615	407	1	9974	522							
		1949	1	7150	5.4	383													
	HOLSTEIN	1947	21	11115	3.4	376	1	6980	331										
		1948	5	11692	3.4	400													
		1949	3	11433	3.3	376													
		1951	2	12295	3.7	458													
		JERSEY	1947	12	8123	5.4							441	1	8750	441			
	1948		5	9464	5.1	484													
	1949		5	7916	5.4	428													
	1950		4	8405	5.2	437													
	1951		3	11613	5.1	594													
	1952		4	10335	5.1	524													
	1953		2	9760	5.7	548													
	1954		1	11160	5.4	599													
	ALL BREEDS	1947	39	9710	4.3	401	2	7615	407										
		1948	10	10588	4.3	442													
		1949	9	9003	4.7	406													
		1950	4	8405	5.2	437													
		1951	5	11886	4.6	539													
		1952	4	10335	5.1	524													
		1953	2	9760	5.7	548													
		1954	1	11160	5.4	599													
	001	AYRSHIRE	1959	16	9488	4.1	391	16	9997				405	16	11741	471			
			1960	3	11067	4.2	464										3	11583	460
		GUERNSEY	1947	13	8542	4.8	408	1	12530				533	178	9039	416			
			1948	31	7973	4.8	384										5	11084	495
			1949	100	8119	4.8	388										21	8807	405
			1950	142	8078	4.9	391										50	8767	410
1951			221	7988	4.9	389	137			9116	424								
1952			330	8328	4.9	406	222			8795	405								
1953			382	8021	4.9	390	393			8717	400								
1954			449	8019	4.9	390	275			8746	402								
1955			302	8125	4.9	394	254			8662	397								
1956			273	7866	4.9	382	253			8995	405								
1957			281	7840	4.8	376	341			9437	419								
1958			371	8442	4.8	408	381			9389	425								
1959			394	8667	4.9	422	109			9203	416								
1960			120	8453	4.8	406						116					9734	445	
HOLSTEIN		1947	30	10981	3.5	379	5	12204	452	1306	11987	438							
		1948	141	11932	3.5	419							36				13290	488	
		1949	369	12258	3.6	435							81				12649	457	
		1950	537	12193	3.6	435							206				12515	456	
		1951	763	12161	3.6	436							420				12671	461	
		1952	1080	12399	3.6	446							865				12286	447	
		1953	1296	12259	3.6	443							1630				12040	436	
		1954	1842	12108	3.6	435							1665				12477	451	
		1955	1750	12580	3.6	453							2040				11821	433	
		1956	2176	12027	3.7	438							2548				11690	428	
		1957	2746	11893	3.7	433							3825				12377	456	
		1958	4034	12836	3.6	465							5760				12646	464	
		1959	5814	12977	3.7	472							1490				12110	441	
		1960	1604	12261	3.6	442													1531
JERSEY	1947	5	7626	5.7	431	2	7430	385	25	8107	413								
	1948	28	7123	5.2	366							4	7935	426					
	1949	56	7988	5.1	404							7	8279	421					
	1950	98	8046	5.3	420							14	8201	417					
	1951	103	7840	5.2	401							30	8818	438					
	1952	109	7997	5.2	411							40	8140	416					
	1953	103	8105	5.1	411							81	7691	389					
	1954	126	8077	5.2	414							43	8359	418					
	1955	79	8183	5.1	415							56	7295	365					
	1956	99	7381	5.1	372							59	6937	350					
	1957	118	7646	5.0	378							93	7744	391					
	1958	181	8128	5.1	410							119	7756	400					
	1959	183	7899	5.1	401							40	8096	411					
	1960	68	7239	5.0	363										40	8200	415		
BROWN SWISS	1952	2	9030	4.5	404	1	7990	370	2	8655	370								
	1953	2	8865	4.7	415							2	9775	412					
	1954	4	10005	3.9	383							4	10225	399					
	1955	6	9692	4.0	388							5	10634	403					
	1956	17	9825	3.8	370							15	9510	364					
	1957	18	10080	4.0	398							8	10229	389					
	1958	57	11911	3.9	466							15	11141	426					
	1959	59	11381	3.9	445							27	11197	440					
	1960	20													21	11952	474		

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
001	M. SHORTHORN	1957	1	9750	3.9	379	1	9750	367	1	8535	312
		1958	2	12840	3.7	468	1	10760	367			
		1959	1	7800	3.7	288						
		1960	1	12610	3.6	455	1	11160	396	1	9668	342
	RED DAN.	1954	1	6840	4.3	293						
		1955	1	10150	4.4	442						
		1957	2	9865	4.3	423	1	10190	404	2	10454	400
		1958	5	11016	4.0	434	3	10267	405	3	12404	471
		1959	5	10758	3.9	416	3	10673	382	3	10933	416
		1960	2	7965	4.2	340				1	12633	492
	ALL BREEDS	1947	48	9971	4.1	392						
		1948	200	10645	3.9	406	8	11051	446			
		1949	525	11014	4.0	423	45	12569	483			
		1950	777	10918	4.0	425	169	11628	445			
		1951	1087	10903	4.0	423	270	11597	445			
		1952	1521	11196	4.0	435	588	11638	451			
1953		1783	11107	4.0	429	1129	11443	438	829	11238	433	
1954		2422	11134	3.9	426	2108	11250	428	1695	11207	431	
1955		2138	11779	3.9	443	1928	11848	443	1645	11608	438	
1956		2565	11390	3.8	429	2365	11360	427	1967	12033	453	
1957		3166	11363	3.8	425	2870	11349	424	2580	11836	444	
1958		4650	12289	3.8	459	4278	12036	451	676	12156	458	
1959		6472	12545	3.8	466	6506	12343	460	5671	12971	482	
1960		1818	11802	3.8	437	1652	11811	438	1701	12735	475	
1961		3	8643	3.9	348							
002		GUERNSEY	1947	8	7766	5.1	401					
	1948		5	8870	5.1	452	1	9390	473			
	1949		1	8000	5.7	458						
	1950		4	7540	5.0	363						
	1951		1	7180	4.9	350						
	1953		1	6520	4.3	273				1	8567	407
	HOLSTEIN	1947	37	12002	3.8	450	1	10950	451			
		1948	16	12523	3.8	475	1	13500	511			
		1949	15	12904	3.7	476	3	14477	527			
		1950	9	12922	3.7	475	2	11765	446			
		1951	5	13178	3.7	487	2	16740	588			
		1952	3	13093	3.9	519	2	15125	598			
		1953	3	14073	3.8	533	3	13867	510	2	12739	485
		1954	2	14515	3.8	553	2	14500	547	2	13222	512
		1955	3	14623	3.7	538	3	12957	481	2	13974	522
	1956	1	10040	3.5	352	1	11630	435	1	13778	492	
ALL BREEDS	1947	45	11249	4.0	441	1	10950	451				
	1948	21	11653	4.1	470	2	11445	492				
	1949	16	12598	3.8	475	3	14477	527				
	1950	13	11266	4.1	440	2	11765	446				

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE RECORDS NO.	MILK LB.	FAT LB.
		1949	9	13272	3.4	450						
		1950	9	14352	3.4	488	2	12210	432			
		1951	10	13325	3.3	438	2	11945	450			
		1952	9	14458	3.3	482	3	14280	514			
		1953	7	11961	3.4	405	2	12725	471	2	13162	482
		1954	4	12183	3.3	400	3	12027	441	3	11594	438
		1955	2	11495	3.4	385	2	12085	452	2	11860	434
		1956	3	12280	3.6	444	2	12885	443	2	11930	424
		1957	1	17950	3.4	606	1	12460	446	1	11925	447
	JERSEY	1947	7	8327	5.5	454	2	8710	417			
		1948	8	9301	5.1	472	2	6270	343			
		1949	10	8701	5.2	450	3	8847	459			
		1950	7	9150	5.2	476	2	8930	484			
		1951	7	8190	5.3	427	2	8470	434			
		1952	6	9563	5.1	487	1	8450	483			
		1953	3	11090	4.8	532	2	8400	474	3	9974	522
		1954	1	8890	5.4	478	1	8910	489			
		1955	1	13010	4.9	637	1	10400	560	1	9232	500
	ALL BREEDS	1947	25	10232	4.3	417	2	8710	417			
		1948	17	10729	4.3	447	2	6270	343			
		1949	24	10146	4.5	434	3	8847	459			
		1950	17	11792	4.3	476	4	10570	458			
		1951	18	11094	4.1	434	4	10208	442			
		1952	18	11786	4.2	474	4	12823	507			
		1953	11	11331	3.9	437	4	10563	473	3	11249	506
		1954	5	11524	3.7	416	4	11240	453	3	11594	458
		1955	3	12000	3.9	469	3	11523	488	3	10984	456
		1956	3	12280	3.6	444	2	12885	443	2	11930	424
		1957	1	17950	3.4	606	1	12460	446	1	11925	447

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUO, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING	RECORDS	MILK	TEST	FAT	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
		YEAR	NO.	LB.	PCT.	LB.	RECORDS	MILK	FAT	RECORDS	MILK	FAT
							NO.	LB.	LB.	NO.	LB.	LB.
		1951	8	7020	5.9	411						
		1952	6	6817	5.8	334						
		1953	7	8227	5.6	463						
		1954	7	7379	5.6	407						
		1955	3	8417	5.2	440						
		1956	2	8115	5.4	434						
		1957	1	9050	5.2	472						
							1	9780	482			
	ALL BREEDS	1947	356	10763	3.6	385	25	11376	415			
		1948	232	10987	3.7	396	40	12173	438			
		1949	268	11167	3.6	401	53	11466	429			
		1950	256	11276	3.7	411	92	11670	425			
		1951	213	10760	3.8	402	126	10972	407			
		1952	175	11095	3.7	405	144	11065	405			
		1953	168	11181	3.8	417	147	11196	414	73	10738	394
		1954	120	10632	3.8	397	105	10883	405	78	11014	407
		1955	74	10888	3.8	409	62	11144	417	55	11099	417
		1956	47	11350	3.7	415	37	11207	419	6	11010	433
		1957	35	11304	3.6	406	29	11529	433	24	11295	424
		1958	29	11984	3.8	445	29	12595	475	16	11861	456
		1959	12	11563	3.8	420	12	11289	422	11	11790	438
		1960	1	5560	4.8	268	1	8630	400			
009	GUERNSEY	1948	1	8410	4.7	392						
		1949	3	7303	4.7	340	1	10410	369			
		1950	3	8053	4.5	364	1	11490	402			
		1951	5	7030	4.5	312	2	9075	356			
		1952	3	7697	4.6	351	2	8900	355			
		1953	1	8910	3.7	331	1	7780	339	1	6300	289
		1954	1	8860	3.9	343	1	7780	339	1	7477	328
		1955	1	8080	4.2	336	1	6320	265	1	7434	318
		1956	1	6480	5.6	363	1	8160	368	1	7336	350
	HOLSTEIN	1947	27	10930	3.5	384	1	9900	344			
		1948	28	11148	3.5	394	3	10200	390			
		1949	42	11982	3.6	425	23	11683	417			
		1950	64	12276	3.5	433	39	11794	420			
		1951	64	12295	3.5	429	53	11832	412			
		1952	63	12346	3.4	421	58	11676	406			
		1953	81	13017	3.5	450	79	12167	427	33	12146	437
		1954	95	12350	3.5	431	91	11903	427	74	11869	417
		1955	68	12613	3.5	436	57	12225	436	55	12242	441
		1956	32	13146	3.5	460	28	12353	448	16	13139	480
		1957	40	14588	3.4	496	37	13135	478	36	13104	474
		1958	34	14395	3.4	489	33	13934	501	31	13605	485
		1959	7	13294	3.4	453	7	12379	444	6	12446	454
	ALL BREEDS	1947	27	10930	3.5	384	1	9900	344			
		1948	29	11054	3.6	394	3	10200	390			
		1949	45	11670	3.6	419	24	11630	415			
		1950	67	12087	3.6	430	40	11766	419			
		1951	69	11913	3.6	420	55	11732	410			
		1952	66	12134	3.5	417	60	11583	405			
		1953	82	12967	3.5	448	80	12112	426	34	11974	432
		1954	96	12314	3.5	430	92	11859	426	75	11810	416
		1955	69	12547	3.5	435	58	12123	434	56	12156	439
		1956	33	12944	3.6	457	29	12209	445	17	12798	471
		1957	40	14588	3.4	496	37	13135	478	38	13104	474
		1958	34	14395	3.4	489	33	13934	501	31	13605	485
		1959	7	13294	3.4	453	7	12379	444	6	12446	454
010	GUERNSEY	1947	8	7695	5.2	400						
		1948	4	8818	5.2	454						
		1949	3	9167	5.0	456						
		1950	5	7372	5.0	369						
		1951	2	7635	5.2	399						
	HOLSTEIN	1947	12	11617	3.6	423	2	14705	466			
		1948	11	12444	3.6	439	1	13240	472			
		1949	14	11403	3.5	400	1	10110	370			
		1950	14	12196	3.6	443	5	12262	443			
		1951	16	12553	3.5	434	7	12201	430			
		1952	16	12023	3.5	420	8	12149	436			
		1953	12	12013	3.5	413	10	12064	429	6	11967	424
		1954	11	11822	3.4	398	11	12119	424	7	11627	411
		1955	4	11380	3.6	404	4	10613	376	4	10955	385
		1956	1	13170	3.4	451	1	11870	399	1	10006	362
		1957	1	11430	3.6	408	1	14740	584	1	13080	506
		1958	2	13415	3.5	473	2	13770	545	2	13462	502
		1959	1	13670	4.3	582	1	13430	519	1	14344	562
	BROWN SWISS	1947	7	9537	4.1	390						
		1948	4	7868	4.0	321						
		1949	6	7863	4.0	315						
		1950	1	8710	4.0	348						

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-LAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
010	ALL BREEDS	1951	1	9060	4.2	383						
		1952	2	8330	4.1	342	1	10430	443			
		1953	1	10360	4.2	437	1	11020	445			
		1955	1	6070	4.8	292	1	6200	362			
		1947	27	9916	4.2	408	2	14705	466			
		1948	19	10717	4.0	417	1	13240	472			
		1949	23	10188	3.8	365	1	10110	370			
		1950	20	10816	4.0	420	5	12282	443			
		1951	19	11851	3.7	420	7	12201	430			
		1952	18	11613	3.6	411	9	11958	437			
		1953	13	11886	3.5	415	11	11969	430	8	11967	424
		1954	11	11822	3.4	398	11	12119	424	7	11627	411
		1955	5	10318	3.9	382	5	10130	373	4	10955	385
		1956	1	13170	3.4	451	1	11870	399	1	10006	362
		1957	1	11430	3.6	408	1	14740	584	1	13080	506
	1958	2	13415	3.5	473	2	13770	545	2	13462	502	
	1959	1	13670	4.3	582	1	13430	519	1	14344	562	
	GUERNSEY	1947	24	9187	4.0	364	2	11430	419			
		1948	4	8713	4.2	361	2	10150	419			
		1949	2	10565	3.7	382						
		1950	3	8963	3.8	344	1	9750	407			
		1951	2	8350	4.1	339	1	10480	395			
		1952	2	9135	4.0	364	1	9510	372			
		1953	1	8600	4.2	370	1	8890	352	1	9494	372
		1954	1	12450	4.0	504	1	10490	421	1	9429	366
HOLSTEIN		1947	66	11451	3.6	412	7	10729	416			
		1948	9	13330	3.5	496	2	11935	442			
	1949	10	13468	3.6	487	2	12655	453				
	1950	8	11818	3.4	403	2	13020	472				
	1951	5	12814	3.8	485	4	10535	382				
	1952	6	12537	3.6	452	5	11462	412				
	1953	6	12337	3.7	449	5	11624	421	5	11057	401	
	1954	2	15730	3.6	569	1	12110	436	2	11195	412	
1956	1	16990	3.2	543	1	14120	567					
JERSEY	1947	3	6170	4.8	295	2	6810	362				
	1948	9	7044	5.0	348	5	7932	434				
	1949	13	7574	5.1	386	4	9468	494				
	1950	10	7168	5.1	356	6	7373	395				
	1951	15	6877	5.0	340	7	7310	392				
	1952	13	6838	4.9	333	9	7053	366				
	1953	8	7349	4.9	360	8	7371	383	7	7756	408	
	1954	4	6520	5.1	328	4	7200	374	4	7687	404	
	1955	2	8065	5.1	412	2	7890	407	1	5341	286	
	1956	1	9650	5.1	493	1	9820	547				
1959	1	10460	4.6	483	1	10100	518	1	8764	440		
ALL BREEDS	1947	93	10696	3.8	396	11						

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY MILK AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	AVERAGE LB.
005	HOLSTEIN	1957	8	10436	4.4	460	6	11085	484	1	10475	502
		1958	4	9645	4.2	404	3	10060	421	2	8562	374
		1959	6	8990	4.7	424	5	9056	429	1	9036	425
		1947	84	10821	3.4	371	10	11714	438			
		1948	80	11547	3.4	376	16	12234	444			
		1949	126	11621	3.5	403	29	12536	448			
		1950	130	11874	3.4	403	49	12141	427			
		1951	121	11551	3.4	393	75	11296	406			
		1952	128	12222	3.4	418	98	11978	423			
		1953	117	12132	3.4	415	110	11778	424	50	11428	398
		1954	111	12191	3.4	418	107	11814	422	75	12346	434
		1955	66	12084	3.4	414	58	11889	426	45	11985	418
		1956	32	12301	3.4	416	27	11714	429	5	11439	411
		1957	39	12073	3.4	415	35	12563	448	21	12160	444
		1958	19	12483	3.4	424	19	13246	475	7	12610	449
	1959	10	12197	3.5	418	10	13593	496	9	12918	469	
	JERSEY	1952	1	4030	6.2	250	1	5300	331			
		1953	2	3900	6.2	243	2	4700	257			
		1954	3	4923	5.6	276	3	5343	286	3	4821	250
		1955	3	5307	5.5	292	3	5240	274	2	4633	220
1956		3	7870	5.5	435	2	6820	354				
1957		3	8400	5.7	475	2	8010	447	2	7707	431	
1958		2	9020	5.4	487	2	7765	427				
BROWN SWISS	1952	2	7450	4.4	326							
	1953	2	7585	4.4	323							
	1954	1	9040	4.0	363							
ALL BREEDS	1947	124	9672	3.8	360	12	11087	433				
	1948	96	11050	3.7	377	20	11791	445				
	1949	164	10809	3.8	400	41	11640	443				
	1950	176	10873	3.7	396	66	11288	420				
	1951	157	10641	3.7	384	99	10636	402				
	1952	161	11289	3.7	409	125	11099	409				
	1953	150	11150	3.8	406	140	11049	414	65	10709	391	
	1954	139	11329	3.7	408	134	11176	413	87	11538	421	
	1955	88	11094	3.7	406	80	10996	415	55	10932	404	
	1956	45	11400	3.8	419	37	11017	424	5	11439	411	
	1957	50	11570	3.7	426	43	11983	453	24	11736	445	
	1958	25	11752	3.7	426	24	12391	465	9	11710	432	
	1959	16	10994	3.9	420	15	12081	474	10	12530	465	
	015 GUERNSEY	1947	1	8530	4.9	418						
		1948	1	7090	4.6	323						
1949		10	7209	4.6	333	2	9645	453				
1950		10	7060	4.7	379	4	8378	374				
1951		7	6927	4.6	339	4	8113	352				
1952		4	6288	4.9	308	3	7523	345				
1953		4	7245	4.7	342	3	7403	345	1	12273	372	
1954		4	8095	4.7	384	3	9757	420	2	10072	447	
1955		2	7725	4.8	368	2	7885	377	1	9014	451	
1956		3	9120	4.7	429	2	9585	418				
1957		2	7250	4.6	326	2	8610	400				
1958		1	11540	4.2	481	1	10320	456				
HOLSTEIN		1947	6	11347	3.6	407						
		1948	5	11904	3.5	416	1	13820	468			
		1949	6	11923	3.4	407	3	14330	495			
		1950	5	12208	3.3	410	4	12528	454			
		1951	4	12985	3.4	438	3	11860	440			
		1952	5	11966	3.5	421	4	10415	381			
	1953	3	13280	3.5	465	3	12413	456	2	11396	399	
	1954	5	13354	3.6	482	5	12528	449	5	11879	424	
	1955	1	11160	3.8	427	1	10750	417	1	8687	323	
	1956	3	14473	3.4	490	3	13243	478	2	13009	491	
	1959	1	10960	3.3	367	1	11980	425	1	11609	410	
	JERSEY	1947	9	6812	5.4	367						
		1948	2	4280	5.7	243						
		1949	2	9240	5.1	469						
		1950	2	8395	5.1	416	1	7590	389			
1951		4	6115	5.6	342	3	6743	350				
1952		4	5975	5.9	347	4	5318	273				
1953		3	8863	5.6	378	3	7260	361	2	5733	299	
ALL BREEDS	1947	16	8620	4.7	385							
	1948	8	9396	4.2	361	1	13820	468				
	1949	18	9006	4.3	373	5	12456	478				
	1950	17	8731	4.3	363	9	10134	402				
	1951	15	8326	4.7	366	10	8826	378				
	1952	13	8375	4.7	364	11	7773	332				
	1953	10	8941	4.6	390	9	9026	387	5	9306	353	
	1954	9										

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
		1955	3	8870	4.4	387	3	8840	390	2	8651	387
		1956	6	11797	4.1	460	5	11780	454	2	13009	491
		1957	2	7250	4.6	326	2	8610	400			
		1958	1	11540	4.2	481	1	10520	456			
		1959	1	10960	3.5	567	1	11780	425	1	11609	480
016	HOLSTEIN	1947	18	10892	3.5	380	1	11560	457			
		1948	16	11067	3.4	370						
		1949	26	10618	3.5	373	5	10894	429			
		1950	20	10658	3.5	376	4	11965	415			
		1951	10	10035	3.6	353	5	10722	398			
		1952	7	9731	3.7	346	5	10158	377			
		1953	10	10335	3.7	376	10	11494	427	3	10191	371
		1954	8	9899	3.6	358	8	11164	414	6	12399	451
		1955	2	11210	3.3	370	2	11660	443	1	11794	445
		1957	1	12870	3.5	448	1	13540	515			
		1958	1	10920	3.4	376	1	13790	518			
	BROWN SWISS	1947	5	9926	4.2	415						
		1948	5	9614	4.2	401						
		1949	5	9670	4.2	407						
		1950	4	9355	4.4	413						
		1951	2	6960	4.5	311						
		1952	2	9235	4.8	436						
		1953	2	9160	4.5	406						
		1954	2	9130	4.4	394						
		1955	1	9460	3.9	369						
	ALL BREEDS	1947	23	10082	3.6	388	1	11560	457			
		1948	21	10721	3.6	377						
		1949	31	10465	3.6	378	5	10894	429			
		1950	24	10441	3.7	382	4	11965	415			
		1951	12	9523	3.7	346	5	10722	398			
		1952	9	9621	3.9	366	5	10158	377			
		1953	12	10139	3.8	381	10	11494	427	3	10191	371
		1954	10	9745	3.8	365	8	11164	414	6	12399	451
		1955	3	10627	3.5	369	2	11660	443	1	11794	445
		1957	1	12870	3.5	448	1	13540	515			
		1958	1	10920	3.4	376	1	13790	518			
018	HOLSTEIN	1953	1	16700	3.5	588						
		1954	2	10805	3.5	376	1	12780	460	1	13102	482
		1955	31	12601	3.5	447	24	12077	436	20	12105	430
		1956	44	12523	3.5	431	32	12381	447	5	12330	453
		1957	35	12941	3.4	445	32	12683	459	29	12508	451
		1958	52	13738	3.5	473	52	13137	472	26	12493	449
		1959	27	13144	3.4	453	27	12669	458	20	13522	484
		1960	4	11868	3.6	424	4	11988	440	5	11412	425
	ALL BREEDS	1953	1	16700	3.5	588						
		1954	2	10805	3.5	376	1	12780	460	1	13102	482
		1955	31	12601	3.5	447	24	12077	436	20	12105	430
		1956	44	12523	3.5	431	32	12381	447	5	12330	453
		1957	35	12941	3.4	445	32	12683	459	29	12508	451
		1958	52	13738	3.5	473	52	13137	472	26	12493	449
		1959	27	13144	3.4	453	27	12669	458	20	13522	484
		1960	4	11868	3.6	424	4	11988	440	5	11412	425
019	GUERNSEY	1947	24	7395	4.8	353						
		1948	2	8295	4.3	360						
		1950	1	6390	4.2	266						
		1951	1	9880	4.4	437						
	HOLSTEIN	1947	18	10622	3.6	366						
		1948	8	11526	3.5	469						
		1949	9	10759	3.6	386						
		1950	4	11170	3.4	383						
		1951	2	9595	3.2	302	1	9160	334			
		1952	1	11050	3.6	397	1	10240	387			
		1953	1	10680	3.5	375	1	10270	368	1	10301	384
	ALL BREEDS	1947	42	8864	4.3	367						
		1948	10	10880	3.7	399						
		1949	9	10759	3.6	386						
		1950	5	10230	3.6	360						
		1951	3	9690	3.6	347	1	9160	334			
		1952	1	11050	3.6	397	1	10240	387			
		1953	1	10680	3.5	375	1	10270	368	1	10301	384
020	GUERNSEY	1947	1	7810	5.6	436						
	ALL BREEDS	1947	1	7810	5.6	436						
075	AYRSHIRE	1960	2	15945	4.3	627	1	9410	387	1	8633	349

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF GIRLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-LAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
075	GUERNSEY	1947	166	7876	4.9	307	0	9233	418			
		1948	100	8428	5.0	419	14	9709	438			
		1949	144	8244	4.9	405	33	8910	406			
		1950	181	8211	4.9	400	63	9329	438			
		1951	284	8068	4.9	393	137	8833	415			
		1952	524	8052	4.9	389	351	8333	390			
		1953	856	8008	4.9	388	663	8236	384	436	8344	392
		1954	1063	7845	4.9	379	862	8217	383	716	8357	394
		1955	1110	8138	4.8	391	916	8665	397	830	8404	391
		1956	1054	8215	4.8	392	813	9061	413	637	8796	404
		1957	780	8282	4.8	395	622	9167	415	543	8861	411
		1958	647	8507	4.8	407	527	9298	426	381	9122	424
		1959	514	8585	4.8	409	454	8829	408	373	9368	436
		1960	128	9009	4.7	425	113	9204	424	96	9414	437
	HOLSTEIN	1947	50	12642	3.6	455	5	12870	494			
		1948	111	12327	3.6	447	8	12860	449			
		1949	291	12254	3.7	447	95	12260	441			
		1950	550	11636	3.7	436	214	12081	439			
		1951	975	11612	3.7	431	553	11735	429			
		1952	1710	11600	3.7	433	1278	11828	433			
		1953	2825	12013	3.7	441	2349	11818	433	1735	11462	419
		1954	3657	11758	3.7	432	3009	11694	429	2530	11619	428
		1955	4239	11949	3.7	439	3501	11918	436	3123	11642	429
		1956	4413	12208	3.7	451	3491	12187	451	2569	11699	434
		1957	4534	12288	3.7	457	3694	12357	461	3266	12116	453
		1958	5418	12829	3.7	474	4655	12624	472	3389	12347	464
		1959	6976	12845	3.7	473	6721	12663	467	5553	12715	474
		1960	1501	12685	3.7	466	1373	12532	462	1000	12647	469
	JERSEY	1947	11	7899	4.7	358						
		1948	9	7672	4.7	357						
		1949	13	9142	4.7	420						
		1950	33	8047	5.3	416	5	8030	405			
		1951	89	8318	5.3	443	15	7911	421			
		1952	146	8296	5.2	435	33	7732	394			
		1953	248	7723	5.2	399	84	6036	414	50	8061	419
		1954	239	7919	5.1	405	100	7757	399	84	7729	395
		1955	237	7875	5.1	398	102	7956	407	91	7692	395
		1956	237	8189	5.1	417	97	8727	437	87	8039	411
		1957	270	7955	5.1	406	123	8611	441	106	8358	425
		1958	692	8139	5.2	419	318	8406	435	224	8229	422
		1959	1091	8113	5.2	422	758	8252	426	625	8466	438
		1960	402	8456	5.2	439	315	8496	438	210	8551	436
	BROWN SWISS	1952	15	10940	4.3	461	3	11487	444			
		1953	52	10599	4.1	434	21	10299	417	12	9676	376
		1954	102	10774	4.1	444	66	10068	407	51	9552	383
		1955	111	10756	4.1	439	72	9962	395	56	10076	407
		1956	162	10670	4.1	441	75	10462	412	57	10070	402
		1957	193	10377	4.1	425	102	10469	417	96	10034	406
		1958	302	11096	4.1	451	124	10731	437	114	10512	419
		1959	339	10948	4.1	453	235	10941	448	195	11602	443
		1960	98	10735	4.1	434	73	10813	443	40	10636	442
	M. SHORTHORN	1950	2	9510	4.0	378						
		1951	1	11750	3.9	453						
		1952	1	8400	3.9	374						
		1953	4	9050	4.1	370						
		1954	2	8915	4.2	377						
		1955	2	9255	4.4	399						
		1956	2	8860	4.0	351	2	10190	424	2	8813	354
		1957	3	8840	3.8	331	1	8750	417			
		1958	2	11635	3.7	431						
		1959	10	9537	3.7	357	6	8833	323	6	9094	348
		1960	3	8607	3.8	328	3	9300	337	1	9941	350
	ALL BREEDS	1947	227	8927	4.6	400	11	10886	452			
		1948	220	10364	4.3	431	22	10855	442			
		1949	448	10874	4.1	433	131	11371	432			
		1950	766	10810	4.0	426	282	11394	438			
		1951	1349	10692	4.1	424	705	11090	426			
		1952	2396	10760	4.0	424	1665	11009	423			
		1953	3985	10865	4.0	427	3117	10944	422	2231	10767	413
		1954	5063	10735	4.0	420	4037	10827	418	3381	10800	419
		1955	5699	11013	4.0	428	4591	11150	428	4100	10877	420
		1956	5868	11284	4.0	439	4478	11515	443	3352	11025	427
		1957	5780	11430	4.0	445	4542	11768	453	4015	11527	445
		1958	7061	11899	4.0	462	5624	12036	465	4108	11773	457
		1959	8930	11946	4.0	462	8174	11989	460	6750	12067	468
		1960	2134	11576	4.1	457	1878	11581	455	1346	11720	460

STUO	BREEO	FRESHENING YEAR	RECOROS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE			
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	AVERAGE FAT LB.	
001	FRIESIAN	1955	24	7309	3.9	285	19	8392	337	18	6870	277	
		1956	19	7581	4.1	312	17	8514	340	11	7847	305	
		1957	11	7700	4.0	303	9	8773	343	9	7493	290	
		1958	6	7918	4.1	316	6	9762	360	5	8942	340	
		1959	12	8637	4.0	346	8	8391	340	8	8921	356	
		1960	3	13543	3.8	536	2	8060	313	3	8786	338	
		ALL BREEDS	1947	25	9334	4.0	357	2	6665	342			
	1948	33	9698	4.2	389	5	10518	444					
	1949	103	10774	4.0	414	26	11568	442					
	1950	326	11042	3.8	413	120	11585	428					
	1951	576	10807	3.8	405	308	11325	421					
	1952	830	10796	3.9	408	568	11202	419					
	1953	1284	10701	3.9	406	1070	10968	412	792	10639	400		
	1954	1906	10695	3.8	399	1691	10965	407	1391	10848	407		
	1955	2624	11351	3.8	420	2376	11474	424	2044	10943	406		
	1956	2789	11240	3.8	415	2577	11543	425	2414	11569	427		
	1957	2320	11255	3.7	412	2135	11593	423	1794	11593	430		
	1958	1880	12272	3.7	444	1581	12499	452	1461	11577	436		
	1959	1645	12413	3.7	453	1473	12489	458	1466	11763	455		
	1960	298	11805	3.8	436	256	12077	445	152	11633	441		
	002	GUERNSEY	1950	6	8257	4.8	396	5	8292	396			
			1951	11	7686	4.7	358	9	7687	374			
			1952	24	7593	4.8	360	19	7721	365			
			1953	42	7652	4.8	367	36	7869	372	33	7678	373
			1954	27	7251	4.8	351	26	7362	352	25	7553	372
			1955	18	7674	4.8	370	18	7591	367	18	7796	375
			1956	13	7992	4.8	385	12	8282	390	10	7970	394
			1957	12	8330	4.6	383	10	8363	384	8	7484	355
1958			3	7977	4.7	377	2	8220	382	2	8568	403	
1959		4	11195	4.6	512	3	9303	432	3	9363	450		
HOLSTEIN		1947	313	11395	3.5	396	12	11955	413				
		1948	225	12026	3.5	417	19	12766	441				
		1949	286	12048	3.5	425	62	12765	452				
		1950	424	12124	3.6	436	163	12447	447				
		1951	623	11542	3.6	418	352	11851	428				
		1952	1118	11766	3.6	426	815	11933	431				
		1953	1479	11626	3.6	422	1340	11710	422	994	11585	417	
		1954	1467	11457	3.6	412	1385	11705	418	1181	11548	417	
		1955	1377	11642	3.6	419	1322	11972	428	1151	11617	416	
		1956	997	11578	3.6	413	963	12029	428	882	12067	433	
		1957	642	11629	3.5	411	605	11915	424	527	11990	429	
		1958	333	12302	3.5	432	289	12669	449	2			

003 GUERNSEY

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
001	HOLSTEIN	1952	23	7626	4.8	366	19	7946	384			
		1953	29	7656	4.8	369	24	7967	377	20	7868	363
		1954	37	7488	4.9	366	35	8086	381	32	7795	368
		1955	37	7313	5.0	361	35	8422	401	34	8357	397
		1956	25	7074	4.9	346	24	8378	403	23	8317	399
		1957	18	7092	5.0	348	18	8552	402	18	8773	414
		1958	6	8097	4.9	391	5	9380	403	5	8916	399
		1960	1	6280	5.1	323	1	8510	367			
		1949	8	11589	3.5	406	7	15886	502			
		1950	7	12086	3.6	431	3	12967	474			
	1951	9	11752	3.7	428	5	13248	466				
	1952	17	13446	3.5	471	13	12165	437				
	1953	31	12383	3.6	443	30	11723	427	23	12467	434	
	1954	51	10893	3.7	399	50	11198	411	44	11442	408	
	1955	65	10863	3.7	400	61	11287	413	60	11066	402	
	1956	60	11069	3.7	404	59	11451	415	55	11530	422	
	1957	53	11269	3.7	410	50	11806	422	37	11580	410	
	1958	47	11987	3.6	426	44	11725	422	39	11611	415	
	1959	57	12674	3.7	469	55	12029	447	54	12479	461	
	1960	8	12939	3.6	463	8	13384	502	1	12655	441	
	JERSEY	1947	2	9030	5.0	438						
		1948	9	9103	5.4	487						
		1949	12	9606	5.3	503						
		1950	16	9534	5.3	498						
		1951	13	9435	5.3	498	1	9610	558			
		1952	22	9476	5.2	490	2	9315	541			
		1953	26	9292	5.2	485	7	7384	383	7	8111	431
		1954	27	8870	5.2	483	11	7285	381	10	7778	413
1955		21	8797	5.2	458	8	7615	411	3	6489	335	
1956		20	8755	5.1	440	9	7890	407	8	6151	428	
1957		22	8841	5.2	462	7	6853	457	6	6353	440	
1958		20	8623	5.2	447	5	9110	493	4	8227	433	
1959	16	10084	5.2	521	8	8648	456	7	8139	428		
1960	5	8520	4.8	406	2	9095	460	4	7853	407		
BROWN SWISS	1958	2	12360	4.3	527	1	14190	597	1	13549	578	
	1959	1	6340	4.1	261	1	9840	365	1	9211	338	
M. SHORTHORN	1952	1	5730	3.9	222	1	9210	358				
	1953	1	7750	4.0	308	1	8600	349	1	6148	237	
	1954	2	6555	4.1	264	2	7375	286	2	6823	268	
ALL BREEDS	1947	2	9030	5.0	438							
	1948	9	9103	5.4	487							
	1949	20	10399	4.6	464	7	15886	502				
	1950	24	10208	4.8	474	3	12967	474				
	1951	28	9771	4.7	443	12	10337	427				
	1952	63	9812	4.6	435	35	9627	412				
	1953	87	9830	4.5	430	62	9729	402	51	9942	402	
	1954	117	9275	4.4	401	98	9570	395	86	9594	391	
	1955	123	9442	4.3	398	104	10040	409	97	9975	398	
	1956	105	9677	4.2	397	92	10301	411	86	10356	416	
	1957	93	9886	4.3	410	75	10749	420	61	10434	414	
	1958	75	10788	4.1	432	55	11319	430	49	11099	418	
1959	74	12028	4.0	478	64	11572	447	62	11936	456		
1960	14	10885	4.1	433	11	12161	482	5	8814	414		
004 AYRSHIRE	1958	10	8911	4.2	366	9	9681	369	9	8886	399	
	1959	19	9947	4.2	421	18	10412	415	16	9872	410	
	1960	3	9273	4.3	402	3	10713	440	3	9625	393	
GUERNSEY	1951	1	5670	4.8	274	1	8450	364				
	1952	3	6377	5.1	328	2	7120	335				
	1953	34	7612	4.7	358	30	8610	362	22	8916	376	
	1954	93	7721	4.9	372	84	8055	383	69	8194	389	
	1955	136	7982	4.8	383	136	8116	382	120	8229	388	
	1956	115	8243	4.8	397	167	8609	402	95	8765	410	
	1957	99	8102	4.8	385	93	8861	409	82	8628	405	
	1958	64	8517	4.8	406	53	9069	420	45	8955	416	
	1959	57	8845	4.8	420	54	9117	426	52	9345	436	
	1960	9	7863	4.6	364	8	8356	380	3	9414	445	
	HOLSTEIN	1950	5	13606	3.6	497	2	13500	472			
		1951	40	12542	3.7	469	32	12550	458			
1952		182	12085	3.7	440	149	12212	438				
1953		516	11884	3.7	434	456	11923	429	303	11709	421	
1954		879	11438	3.6	416	828	11581	416	737	11547	418	
1955		1117	11893	3.7	433	1035	12034	436	924	11627	419	
1956		1316	12078	3.6	437	1172	12079	437	1008	11892	430	
1957		1263	12116	3.6	440	1151	12207	443	1057	12183	442	
1958		1371	12968	3.7	473	1234	12880	469	1145	11938	452	
1959		1380	12937	3.7	475	1283	12874	471	1246	12526	477	
1960		189										

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
JERSEY	JERSEY	1952	2	9810	4.9	472						
		1953	5	8956	5.0	451						
		1954	20	7800	5.2	399	3	6713	349	5	7078	365
		1955	19	7596	5.3	400	16	8312	431	14	8145	419
		1956	30	7149	5.4	381	14	8327	429	14	7865	400
		1957	18	8062	5.2	416	19	8165	429	16	8662	449
		1958	27	8476	5.1	427	12	9058	455	12	9006	467
		1959	30	7606	5.4	406	15	8847	433	13	8678	444
		1960	12	7585	5.3	403	23	8895	449	23	8983	466
							12	8461	401	5	8066	396
BROWN SWISS	BROWN SWISS	1952	3	9817	4.5	436						
		1953	6	9637	4.1	397	3	9780	392			
		1954	11	9568	4.0	385	6	9313	372	5	9672	390
		1955	10	12168	4.0	485	6	9527	373	4	9184	371
		1956	21	10447	4.2	433	6	11567	446	5	10309	405
		1957	26	10773	4.2	446	14	10644	414	13	10406	405
		1958	54	11751	4.0	468	16	10661	416	14	10250	407
		1959	62	11035	4.0	447	30	11860	466	30	10844	436
		1960	11	11444	3.9	449	48	11058	441	54	11664	485
							11	12215	492	8	10904	443
M. SHORTHORN	M. SHORTHORN	1953	2	9535	3.8	359	1	7040	219	1	6605	250
		1954	3	9963	3.7	367	2	7070	274	2	6856	266
		1955	3	8960	3.9	350	2	6620	269	2	6813	259
		1956	4	6770	3.9	265	3	8107	323	3	6486	256
		1957	5	8580	3.7	325	5	7804	314	5	6697	262
		1958	6	10780	3.7	399	5	8266	320	2	6333	244
		1959	11	9023	3.8	338	10	8606	334	9	7939	306
		1960	1	8370	3.5	297	1	6350	239			
ALL BREEDS	ALL BREEDS	1950	5	13606	3.6	497	2	13500	472			
		1951	41	12374	3.8	465	53	12426	456			
		1952	190	11935	3.7	438	154	12098	436			
		1953	563	11568	3.7	429	498	11651	425	332	11450	417
		1954	1006	10997	3.8	411	936	11166	413	826	11106	415
		1955	1285	11411	3.8	428	1167	11550	430	1065	11179	415
		1956	1486	11644	3.8	434	1315	11716	433	1135	11553	427
		1957	1411	11745	3.8	436	1277	11899	440	1170	11855	439
		1958	1532	12625	3.7	468	1346	12624	465	1244	11738	450
		1959	1559	12545	3.8	468	1436	12548	466	1382	12262	473
		1960	225	11705	3.8	438	213	11917	448	97	11781	446
005 GUERNSEY	GUERNSEY	1947	3	7263	5.6	407						
		1948	9	6669	4.9	329	1	7140	338			
		1949	8	7908	4.9	386	3	7350	365			
		1950	7	6607	5.0	334	4	7243	352			
		1951	6	6592	5.0	326	5	6868	335			
		1952	14	7551	5.0	374	8	7625	367			
		1953	18	7247	5.0	357	16	8258	368	5	9208	419
		1954	8	7650	5.3	401	7	8680	402	6	9027	434
		1955	8	7883	5.4	419	7	8761	419	7	8760	439
		1956	8	9724	4.6	444	4	9865	452	3	9265	444
HOLSTEIN	HOLSTEIN	1957	7	8826	4.7	415	4	9558	432	2	9036	439
		1958	6	8432	4.9	407	2	9170	427			
		1959	2	8095	4.6	372	2	8370	422	1	9298	438
ALL BREEDS	ALL BREEDS	1947	3	7263	5.6	407						
		1948	9	6669	4.9	329	1	7140	338			
		1949	8	7908	4.9	386	3	7350	365			
		1950	7	6607	5.0	334	4	7243	352			
		1951	6	6592	5.0	326	5	6868	335			
		1952	14	7551	5.0	374	8	7625	367			
		1953	19	7451	4.9	360	16	8258	368	5	9208	419
		1954	13	8556	4.7	392	8	9105	406	7	9548	436
		1955	12	8643	4.9	410	8	8720	409	8	8949	430
		1956	9	9948	4.5	447	5	10270	452	4	9426	423
006 GUERNSEY	GUERNSEY	1957	7	8826	4.7	415	4	9558	432	2	9036	439
		1958	6	8432	4.9	407	2	9170	427			
		1959	3	9637	4.2	390	2	8370	422	2	9767	461
006 GUERNSEY	GUERNSEY	1947	17	7625	4.9	370	2	8960	412			
		1948	15	7165	5.2	367						
		1949	12	7093	5.2	366	1	8410	452			
		1950	8	7335	4.8	349	3	8007	413			
		1951	6	7480	4.9	364	2	7595	377			
		1952	4	7943	4.9	391	4	8525	425			
		1953	5	7216	5.1	366	5	7926	395	3	8531	440
		1954	2	5915	4.3	256	1	7290	343	1	7892	392
		1955	1	5420	5.4	293	1	7800	364	1	7063	343
		1957	1	6260	4.9	305	1	7050	333	1	6965	342

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	AV. FAT LB.	YEARLY RECORDS NO.	HERO MILK LB.	AVERAGE FAT LB.
		1958	1	5690	4.4	249	1	6340	302	1	6660	325
	HOLSTEIN	1947	85	11303	3.6	402	1	11170	415			
		1948	34	13077	3.6	475						
		1949	32	13427	3.6	481	3	12435	466			
		1950	37	12098	3.7	441	11	12955	460			
		1951	28	11226	3.6	404	11	11716	415			
		1952	24	12127	3.6	435	12	12556	446			
		1953	19	12448	3.6	445	17	12314	437	10	11523	407
		1954	9	13149	3.6	468	8	11726	416	7	11598	422
		1955	7	11030	3.5	378	5	11464	393	6	11701	412
		1956	6	10800	3.8	413	6	11688	424	4	11990	438
		1957	3	9160	3.7	331	3	11583	428	2	12306	463
		1959	2	12810	3.7	466	2	11735	421	2	11669	416
		1960	1	14690	4.1	604	1	12230	454			
	ALL BREEDS	1947	102	10690	3.8	397	3	9697	412			
		1948	49	11267	4.1	442						
		1949	44	11700	4.0	450	4	11428	462			
		1950	45	11251	3.9	425	14	11895	450			
		1951	34	10565	3.8	397	13	11082	409			
		1952	28	11529	3.8	428	16	11548	440			
		1953	24	11358	3.9	428	22	11317	427	13	10832	415
		1954	11	11834	3.7	430	9	11234	407	8	11134	418
		1955	8	10329	3.7	368	6	10853	388	7	11039	402
		1956	6	10600	3.8	413	6	11688	424	4	11990	438
		1957	4	8435	4.0	324	4	10450	404	3	10526	423
		1958	1	5690	4.4	249	1	6340	302	1	6660	325
		1959	2	12810	3.7	466	2	11735	421	2	11669	416
		1960	1	14690	4.1	604	1	12230	454			
007	GUERNSEY	1947	21	6838	5.1	346						
		1948	10	7859	5.1	404						
		1949	21	7882	5.0	392	1	7440	362			
		1950	17	7529	4.8	357	1	5210	267			
		1951	14	6830	4.9	333	4	8505	435			
		1952	17	6963	5.0	349	8	8650	404			
		1953	24	7727	5.0	388	14	7662	364	9	8031	389
		1954	24	7937	4.9	387	16	8124	387	16	8184	398
		1955	8	7765	5.0	391	5	7950	378	1	8339	404
		1956	10	8990	5.1	459	6	8922	398	5	8299	399
		1957	5	8350	5.1	429	3	8623	412	3	8142	402
		1958	5	9050	5.2	471	2	8775	440	2	8502	414
	HOLSTEIN	1949	3	10280	4.2	429						
		1950	6	9613	3.7	360	2	6990	316			
		1951	6	10880	3.7	394	4	10455	383			
		1952	6	10133	3.6	369	4	9958	375			
		1953	12	10178	3.7	370	11	10227	361	3	10043	392
		1954	7	10609	3.5	368	7	10251	374	7	9600	355
		1955	5	11690	3.5	413	5	10754	386	5	11201	406
		1956	4	12390	3.5	426	4	11523	438	3	11845	433
		1957	4	11760	3.6	424	3	11527	423	4	10505	385
		1958	4	11428	3.7	417	4	11195	427	4	11083	409
		1959	1	16430	3.6	596	1	11210	403	1	11718	411
	ALL BREEDS	1947	21	6838	5.1	346						
		1948	10	7859	5.1	404						
		1949	24	8182	4.9	396	1	7440	362			
		1950	23	8073	4.5	358	3	6397	300			
		1951	20	8045	4.5	351	8	9480	409			
		1952	23	7790	4.6	354	12	9086	394			
		1953	36	8544	4.6	382	25	8791	371	12	8534	390
		1954	31	8540	4.6	383	23	8772	383	23	8615	385
		1955	13	9352	4.4	399	10	9352	382	6	10724	406
		1956	14	9961	4.6	450	10	9962	414	6	9629	412
		1957	9	9866	4.4	426	6	10075	418	7	9492	392
		1958	9	10107	4.5	447	6	10388	431	6	10222	411
		1959	1	16430	3.6	596	1	11210	403	1	11718	411
008	GUERNSEY	1948	3	6913	4.5	313						
		1949	2	9415	4.7	440						
		1950	7	7821	4.9	380	2	7265	346			
		1951	4	8638	4.9	434	2	7370	351			
		1952	3	8323	4.7	392	2	7230	322			
		1953	6	7998	4.7	376	5	7534	367	1	7140	328
		1954	3	9420	4.9	455	3	8790	405	3	7935	395
		1955	2	11140	5.1	569	2	11040	554	2	7870	384
		1956	1	12200	4.8	590	1	10000	510	1	9003	427
		1957	1	6790	4.7	317	1	10910	407	1	9766	362
		1958	1	8600	4.7	407	1	9840	359	1	9365	372
	HOLSTEIN	1952	2	12005	3.6	424	1	10100	398			
		1953	1	11250	3.4	385	1	11050	412	1	8764	368
		1954	1	14190	3.4	476	1	10410	390	1	10431	407

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING	RECORDS	MILK	TEST	FAT	305-DAY CONTEMPORARY	AV.	YEARLY HERD AVERAGE
		YEAR	NO.	LB.	PCT.	LB.	RECORDS	MILK	RECORDS
							NO.	LB.	NO.
		1955	1	11130	3.5	391	1	11970	1
		1956	1	13630	3.7	505	1	11420	1
	ALL BREEDS	1948	3	6913	4.5	313			
		1949	2	9415	4.7	440			
		1950	7	7821	4.9	380	2	7265	346
		1951	4	8838	4.9	434	2	7370	351
		1952	5	9796	4.3	404	3	8187	347
		1953	7	8463	4.5	377	6	8120	374
		1954	4	10613	4.5	461	4	9195	401
		1955	3	11137	4.6	509	3	11350	528
		1956	2	12915	4.3	548	2	10710	473
		1957	1	6790	4.7	317	1	10910	407
		1958	1	8600	4.7	407	1	9840	339
010	GUERNSEY	1949	1	8110	5.8	466	1	9680	504
		1950	3	8017	5.1	405	1	8360	397
		1951	2	6520	4.5	294			
		1952	1	9010	4.4	398	1	8900	468
		1953	1	8040	5.1	412	1	9110	423
		1954	1	8460	4.3	365	1	8040	385
		1955	1	8950	4.7	417	1	7310	364
		1956	1	10870	4.7	509	1	7660	370
	HOLSTEIN	1949	3	9820	4.1	404			
		1950	4	10148	4.2	416			
		1951	2	14035	3.5	489			
		1952	4	12638	3.7	471	2	11305	374
		1953	4	12648	3.7	471	1	13060	448
		1954	4	10260	3.5	355	1	10240	385
		1955	1	14130	4.0	572	1	10980	399
	ALL BREEDS	1949	4	9393	4.5	419	1	9680	504
		1950	7	9234	4.6	411	1	8360	397
		1951	4	10278	4.0	392			
		1952	5	11912	3.9	456	3	10503	405
		1953	5	11726	4.0	459	2	11095	436
		1954	5	9900	3.6	357	2	9140	385
		1955	2	11540	4.4	495	2	9145	382
		1956	1	10870	4.7	509	1	7660	370
011	GUERNSEY	1953	1	7830	4.9	382	1	7010	359
		1954	1	7810	4.8	378	1	7000	350
	HOLSTEIN	1952	3	11850	3.7	433	1	12450	467
		1953	5	10766	3.9	410	3	12300	439
		1954	1	9810	4.4	436	1	10650	394
		1955	2	11395	3.9	434	2	10360	378
		1956	1	5180	4.0	206	1	11810	424
		1957	1	12160	3.6	435	1	14200	494
		1958	1	10230	3.7	375	1	14650	534
		1959	1	10150	4.0	410	1	11500	419
	ALL BREEDS	1952	3	11850	3.7	433	1	12450	467
		1953	6	10277	4.0	406	4	10978	419
		1954	2	8810	4.6	407	2	8325	372
		1955	2	11395	3.9	434	2	10360	378
		1956	1	5180	4.0	206	1	11810	424
		1957	1	12160	3.6	435	1	14200	494
		1958	1	10230	3.7	375	1	14650	534
		1959	1	10150	4.0	410	1	11500	419
012	GUERNSEY	1947	13	6551	5.3	350	1	7130	341
		1948	8	7125	5.4	381	1	7910	400
		1949	10	6942	5.3	360	1	9160	471
		1950	4	5880	4.9	286	1	8990	472
		1951	1	9140	5.1	466			
		1953	2	6185	5.4	333	2	7440	364
		1955	1	9070	5.3	485	1	11110	547
	HOLSTEIN	1947	129	12387	3.6	440	5	12426	437
		1948	39	13139	3.6	471	2	11720	423
		1949	32	12487	3.5	442	4	13495	467
		1950	14	13756	3.4	461	6	13535	445
		1951	7	13264	3.3	441	5	12516	412
		1952	7	13490	3.4	453	6	12227	412
		1953	4	14230	3.2	451	4	12898	447
		1954	7	13553	3.2	427	7	12479	437
		1955	3	14067	3.1	440	3	13367	475
		1957	1	12570	3.5	438	1	10710	403
	ALL BREEDS	1947	142	11653	3.7	432	6	11543	421
		1948	47	12116	3.9	456	3	10450	415
		1949	42	11166	4.0	424	5	12628	468
		1950	18						

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
013	GUERNSEY	1951	8	12749	3.6	444	5	12516	412			
		1952	7	13490	3.4	453	6	12227	412			
		1953	6	11548	3.9	411	6	11078	420	4	11777	426
		1954	7	13353	3.2	427	7	12479	437	7	12510	423
		1955	4	12818	3.7	451	4	12803	493	4	12271	459
		1957	1	12570	3.5	438	1	10710	403	1	10192	382
		1947	9	6332	4.1	259						
		1948	11	7281	4.7	339						
		1949	18	7611	4.8	366						
		1950	17	7381	4.8	354	3	8857	409			
		1951	13	8255	4.7	385	3	9643	449			
		1952	11	8572	4.6	387	5	9180	416			
		1953	4	8128	4.7	389	3	9027	431	3	8847	435
		1954	4	9065	4.6	413	4	9468	424	4	9540	434
		1955	3	9537	4.4	419	3	10723	500	3	10846	500
		1956	2	8130	5.0	410	2	8060	368	2	8546	390
		1957	1	8590	4.5	386	1	9780	381	1	8088	335
	HOLSTEIN	1949	1	13730	3.3	453	1	13440	433			
		1950	2	13875	3.3	450	1	12160	396			
		1951	1	11900	3.5	411	1	10040	420			
		1952	2	14210	3.4	475	2	11370	432			
		1953	2	13205	3.3	439	2	11365	396	2	11500	423
		1954	1	12450	3.4	428	1	11670	469	1	11543	448
		1955	1	14880	3.1	465	1	11500	414	1	12590	491
		1956	1	12280	3.4	417	1	12020	465	1	12579	477
		1947	9	6332	4.1	259						
		1948	11	7281	4.7	339						
	ALL BREEDS	1949	19	7733	4.8	370	1	15440	433			
		1950	19	8064	4.7	364	4	9683	406			
		1951	14	8515	4.6	386	4	9743	442			
		1952	13	9439	4.4	401	7	9806	420			
		1953	6	9820	4.3	405	5	9962	417	5	9908	430
		1954	5	9742	4.3	416	5	9908	433	5	9941	437
		1955	4	10873	4.1	431	4	10918	479	4	11282	498
		1956	3	9513	4.5	412	3	9393	400	3	9890	419
		1957	1	8590	4.5	386	1	9780	381	1	8088	335
014	GUERNSEY	1947	4	8625	5.0	423						
		1948	2	8970	4.7	415						
		1949	4	8943	5.0	429						
		1950	11	7254	4.9	355	4	9243	442			
		1951	43	7458	4.9	364	25	8388	401			
		1952	83	7398	4.9	360	60	8017	379			
		1953	122	7758	5.0	382	110	7960	384	92	8260	390
		1954	137	7428	5.0	368	122	7656	370	110	7919	380
		1955	147	7593	5.0	380	130	8071	386	103	7816	374
		1956	114	7813	4.9	385	99	8462	402	64	8341	393
		1957	79	7729	5.0	383	62	8378	400	61	8466	409
		1958	39	7905	4.9	379	34	9047	420	26	8816	421
		1959	32	7599	5.0	377	27	8486	404	24	8978	433
		1960	5	7058	4.6	322	5	8686	377	3	8484	382
		1947	23	11025	3.5	382	2	14690	528			
		1948	29	12627	3.5	439	3	13743	484			
		1949	46	10927	3.5	384	6	13265	470			
		1950	87	11237	3.5	391	45	11701	416			
		1951	190	11163	3.6	399	122	11591	415			
		1952	366	11713	3.6	418	277	11935	429			
		1953	533	11422	3.6	409	473	11671	419	324	11402	406
		1954	555	11396	3.6	413	511	11497	413	450	11568	416
		1955	466	11683	3.7	425	433	11939	433	378	11673	420
		1956	378	11588	3.6	420	339	11985	429	258	11803	427
		1957	260	11705	3.6	425	232	12082	437	204	12016	436
		1958	123	12525	3.7	459	111	12927	469	101	12418	462
		1959	81	12373	3.7	453	76	12655	470	71	12399	465
		1960	12	10940	3.6	382	9	12812	450	7	12977	471
	JERSEY	1947	2	8480	4.8	407						
		1948	5	9826	5.2	506	1	9060	452			
		1949	14	7431	5.2	385	5	8958	453			
		1950	24	7344	5.3	386	4	9328	460			
		1951	33	6591	5.2	346	16	8189	434			
		1952	54	7380	5.4	393	36	8166	428			
		1953	80	7535	5.2	386	61	7777	401	41	7365	388
		1954	74	7262	5.3	382	53	7849	410	54	8100	424
		1955	50	6982	5.1	357	38	7558	384	37	7632	396
		1956	33	7028	5.3	375	23	8049	433	20	7864	412
		1957	20	7357	5.1	379	9	8503	450	8	7810	406
		1958	10	8606	5.4	461	5	7566	413	6	8517	452
		1959	10	8077	5.2	418	9	8208	425	8	8359	447
		1960	2	8835	5.4	475	2	8890	499	1	9156	511

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
	BROWN SWISS	1951	1	11040	3.4	371						
		1952	4	7378	3.7	269						
		1953	15	10181	3.9	391	4	11443	444	8	10498	407
		1954	14	10233	3.9	399	11	11106	427	10	9936	390
		1955	14	10302	4.0	411	10	10260	411	9	8990	353
		1956	8	10713	3.8	406	6	11265	430	6	10615	413
		1957	8	9820	3.8	372	8	9988	388	5	10861	430
		1958	4	11925	3.8	454	3	10790	426	2	9429	354
		1959	14	11601	4.0	468	11	11348	466	12	11611	511
		1960	3	9527	4.2	402	2	10675	430	2	11069	464
	M. SHORTHORN	1952	1	9160	4.0	363	1	8270	307			
		1953	2	9640	4.0	383	1	8870	341	1	7979	292
		1954	7	8247	3.7	307	6	8240	311	5	8293	318
		1955	9	7887	3.9	309	7	8701	333	7	7758	291
		1956	6	7505	3.9	292	4	9065	331	4	7091	269
		1957	4	7680	3.8	293	4	8893	329	4	8862	335
		1958	5	8208	4.2	335	4	9493	359	4	8205	306
		1959	4	7490	4.0	302	4	8685	338	3	7881	299
	ALL BREEDS	1947	29	10519	3.8	389	2	14690	528			
		1948	36	12035	3.8	447	4	12573	476			
		1949	64	10038	4.0	387	11	11307	462			
		1950	122	10112	4.0	386	53	11337	421			
		1951	267	9997	4.0	386	163	10766	415			
		1952	508	10508	4.0	404	374	10934	420			
		1953	752	10384	4.0	402	649	10670	411	466	10407	401
		1954	787	10268	4.0	401	703	10521	405	629	10580	409
		1955	686	10386	4.1	409	618	10792	418	534	10552	407
		1956	539	10452	4.0	408	471	11018	423	352	10876	418
		1957	371	10540	4.0	411	315	11157	427	282	11063	428
		1958	181	11181	4.0	439	157	11788	453	139	11412	448
		1959	141	10770	4.1	436	127	11216	448	118	11234	469
		1960	22	9674	4.1	386	18	10993	433	13	11353	452
015	GUERNSEY	1952	2	8165	4.4	353	1	7760	362			
		1953	2	7850	4.5	354	2	7985	359	2	7401	335
		1954	2	8685	4.5	394	2	7755	368	2	8088	372
		1955	4	7638	4.8	366	4	8118	392	3	8789	417
		1956	2	9800	4.7	468	2	7795	382	2	8012	389
		1957	3	8420	5.0	417	3	8210	395	3	8451	417
		1958	1	10110	4.7	473	1	7970	392	1	8295	396
	HOLSTEIN	1947	2	16740	4.0	664						
		1948	3	14203	3.8	541						
		1949	10	11359	3.7	416						
		1950	15	11789	3.8	439	1	13560	466			
		1951	9	9902	3.5	348	4	12923	433			
		1952	59	11575	3.7	423	36	11369	417			
		1953	87	10513	3.7	387	76	11235	409	63	11099	395
		1954	97	10531	3.7	393	89	11191	405	83	11194	402
		1955	89	10727	3.8	406	87	10938	403	85	10765	396
		1956	50	11182	3.7	405	45	11194	405	43	11186	416
		1957	33	11684	3.5	407	29	11470	414	24	11412	407
		1958	19	12007	3.5	416	17	11310	420	18	11063	419
		1959	6	13662	3.5	479	6	11805	439	6	12869	476
	ALL BREEDS	1947	2	16740	4.0	664						
		1948	3	14203	3.8	541						
		1949	10	11359	3.7	416						
		1950	15	11789	3.8	439	1	13560	466			
		1951	9	9902	3.5	348	4	12923	433			
		1952	61	11463	3.7	421	39	11276	416			
		1953	89	10453	3.7	387	78	11152	408	65	10985	393
		1954	99	10493	3.8	393	91	11116	404	85	11121	402
		1955	93	10594	3.9	404	91	10814	402	88	10698	397
		1956	52	11129	3.7	407	47	11049	404	45	11045	415
		1957	36	11412	3.6	408	32	11165	413	27	11083	408
		1958	20	11913	3.6	419	18	11124	418	19	10917	418
		1959	6	13662	3.5	479	6	11805	439	6	12869	476
016	GUERNSEY	1947	4	8433	5.1	424						
		1948	2	7185	5.3	374						
		1949	3	7097	4.8	334						
		1952	1	9100	4.5	411						
	HOLSTEIN	1947	4	14100	3.0	422						
		1948	2	16810	3.3	553						
		1949	1	9770	2.9	286						
	ALL BREEDS	1947	8	11266	4.1	423						
		1948	4	11998	4.3	463						
		1949	4	7765	4.3	322						

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
017	GUERNSEY	1952	1	9100	4.5	411						
		1947	7	8013	4.5	358						
		1948	4	7765	4.8	375						
		1949	20	7556	4.8	363	4	8108	409			
		1950	45	7318	5.0	361	15	8308	380			
		1951	56	7379	5.0	362	28	8590	395			
		1952	48	7576	4.9	372	37	8153	382			
		1953	61	7976	4.9	385	48	7736	372	33	8068	379
		1954	48	7966	4.8	377	43	8161	380	35	8079	384
		1955	36	8176	4.8	393	33	8596	396	32	8573	394
		1956	23	8710	4.8	414	22	9439	423	21	9415	428
		1957	21	7992	4.7	376	16	8971	412	16	8619	403
		1958	7	8453	4.7	393	7	9633	436	6	9554	436
		1959	2	9230	4.9	456	2	9370	408	2	10748	450
	HOLSTEIN	1948	1	9660	3.3	322						
		1949	20	13259	3.4	451	7	12154	423			
		1950	42	12220	3.5	432	10	12319	450			
		1951	143	12164	3.6	431	72	12089	454			
		1952	363	11935	3.6	426	242	11813	427			
		1953	620	11894	3.6	425	540	11687	421	378	11543	414
		1954	802	11680	3.6	415	741	11693	420	661	11561	417
		1955	793	11966	3.6	428	731	11979	431	677	11621	417
		1956	648	11881	3.6	427	606	12087	435	547	11978	431
		1957	447	11893	3.6	429	416	12114	438	381	12071	437
		1958	268	12423	3.6	447	228	12830	464	211	12052	451
		1959	171	12589	3.6	454	155	12616	460	155	11966	467
		1960	28	12166	3.7	444	27	13085	473	11	13359	487
	JERSEY	1947	5	6550	5.4	356	1	10060	493			
		1948	4	7895	5.2	409	1	9550	505			
		1949	5	8568	5.3	451	1	12040	546			
		1950	3	9750	4.9	477	1	8480	423			
		1951	3	9127	5.0	454	2	9180	502			
		1952	3	8913	5.5	493	2	8640	462			
		1953	2	7820	5.1	403	2	9375	491	2	8868	470
		1954	1	7790	4.6	356	1	7810	418	1	9611	425
	M. SHORTHORN	1947	3	8580	4.2	364						
		1949	2	10455	3.4	353						
		1950	2	7470	3.6	271						
	ALL BREEDS	1947	15	7639	4.7	359	1	10080	493			
		1948	9	8033	4.8	384	1	9550	505			
		1949	47	10214	4.2	409	12	10796	429			
		1950	92	9639	4.3	395	26	9857	408			
		1951	202	10792	4.0	412	102	11072	425			
		1952	414	11407	3.8	422	281	11308	421			
		1953	683	11532	3.7	421	590	11358	417	413	11252	412
		1954	851	11466	3.6	413	785	11495	418	697	11382	415
		1955	829	11801	3.6	426	764	11833	429	709	11483	416
		1956	671	11772	3.6	426	628	11994	434	568	11883	431
		1957	468	11718	3.7	426	432	11997	437	397	11932	435
		1958	275	12322	3.6	446	235	12735	463	217	11983	450
		1959	173	12550	3.6	454	157	12575	459	157	11951	467
		1960	28	12166	3.7	444	27	13085	473	11	13359	487
019	GUERNSEY	1950	1	10800	4.1	447						
		1951	2	8545	4.9	414	1	8410	419			
		1952	2	9085	5.4	487	2	8945	358			
		1953	1	8280	5.1	423	1	9080	446			
		1954	1	9790	4.9	478	1	8430	421	1	9341	451
	HOLSTEIN	1950	1	12500	3.8	469						
		1951	1	13770	3.9	542						
		1953	1	14450	3.4	485	1	12040	429			
		1954	1	11750	2.9	340	1	13040	422			
		1956	1	13840	2.9	404	1	12520	386	1	12633	426
		1950	2	11650	4.0	458						
	ALL BREEDS	1951	3	10287	4.6	456	1	8410	419			
		1952	2	9085	5.4	487	2	8945	358			
		1953	2	11365	4.3	454	2	10560	438			
		1954	2	10770	3.9	409	2	10735	422	1	9341	451
		1956	1	13840	2.9	404	1	12520	386	1	12633	426
		1948	2	10595	3.6	383	1	11190	401			
020	HOLSTEIN	1949	3	12533	3.5	431	1	9750	362			
		1950	2	13005	3.4	442	1	10780	364			
		1952	2	11970	3.3	390	2	11135	374			
		1954	2	12260	3.5	430	2	11595	407	1	11957	417
		1955	5	12490	3.6	443	5	12356	434	2	11669	401
		1956	9	11212	3.5	391	9	12770	443	5	11731	418
		1957	8									
		1948	2	10595	3.6	383	1	11190	401			
		1949	3	12533	3.5	431	1	9750	362			
		1950	2	13005	3.4	442	1	10780	364			
		1952	2	11970	3.3	390	2	11135	374			

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
		1958	2	14140	3.6	509	1	14440	475	1	15478	520
ALL BREEDS		1948	2	10595	3.6	383	1	11190	401			
		1949	3	12533	3.5	431	1	9750	362			
		1950	2	13005	3.4	442	1	10780	364			
		1952	2	11970	3.3	390	2	11135	374			
		1954	2	12260	3.5	430	2	11595	407	1	11957	417
		1955	5	12490	3.6	443	5	12356	434	2	11669	401
		1956	9	11212	3.5	391	9	12770	443	5	11731	418
		1957	8	12666	3.7	463	8	13819	473	6	13286	455
		1958	2	14140	3.6	509	1	14440	475	1	15478	520
022 GUERNSEY		1947	2	5980	5.3	312						
		1948	1	7410	5.3	396						
		1949	1	8280	5.6	460						
		1950	1	8500	5.3	450						
	HOLSTEIN	1948	1	7900	3.6	287						
		1949	1	8730	3.4	300						
		1950	1	8970	3.2	285	1	10310	339			
		1951	1	10460	3.6	378	1	9980	338			
		1952	1	14320	3.7	525	1	12220	415			
		1953	1	16040	3.7	591	1	14320	503	1	11238	389
		1954	1	14240	3.5	505	1	12660	464	1	13472	485
		1956	1	14880	3.4	502	1	12690	455	1	12491	434
ALL BREEDS		1957	1	11010	3.7	413	1	13510	464	1	12164	446
		1958	2	12565	3.5	437	2	12090	449	2	11216	414
		1959	1	11870	3.5	412	1	12130	452	1	11162	424
	HOLSTEIN	1947	2	5980	5.3	312						
		1948	2	7655	4.5	342						
		1949	2	8505	4.5	380						
		1950	2	8735	4.3	368	1	10310	339			
		1951	1	10460	3.6	378	1	9980	338			
		1952	1	14320	3.7	525	1	12220	415			
		1953	1	16040	3.7	591	1	14320	503	1	11238	389
		1954	1	14240	3.5	505	1	12660	464	1	13472	485
075 HOLSTEIN		1956	1	14880	3.4	502	1	12690	455	1	12491	434
		1957	1	11010	3.7	413	1	13510	464	1	12164	446
		1958	2	12565	3.5	437	2	12090	449	2	11216	414
		1959	1	11870	3.5	412	1	12130	452	1	11162	424
	JERSEY	1951	1	12840	3.9	499						
		1952	6	14612	4.1	593						
		1953	9	13112	4.2	553						
		1954	11	14952	4.0	592						
		1955	4	15685	3.9	605						
		1956	4	15255	3.9	595						
		1957	11	13144	3.8	496	9	11764	460	9	12456	470
		1958	61	12756	3.8	484	56	12996	479	51	12228	470
ALL BREEDS		1959	56	12915	3.8	486	55	12614	466	44	12876	483
		1960	17	12195	3.8	468	14	12524	480	11	13756	523
	JERSEY	1952	2	6695	5.2	344						
		1953	10	9697	5.7	554	5	8018	413	3	6889	322
		1954	11	9399	5.3	497	4	8053	425	3	7652	378
		1955	27	8606	5.5	472	7	7249	381	7	7669	403
		1956	30	8605	5.3	458	9	8228	427	9	8353	440
		1957	14	9124	5.2	475	2	7375	405	2	9407	507
		1958	7	8214	5.2	432	4	8293	412	6	8526	433
		1959	12	8082	5.3	428	12	9135	464	4	9246	443
ALL BREEDS		1951	1	12840	3.9	499						
		1952	8	12633	4.4	531						
		1953	19	11315	5.0	554	5	8018	413	3	6889	322
		1954	22	12175	4.6	544	4	8053	425	3	7652	378
		1955	31	9520	5.3	489	7	7249	381	7	7669	403
		1956	34	9388	5.2	474	9	8228	427	9	8353	440
		1957	25	10892	4.6	484	11	10966	450	11	11902	477
		1958	68	12289	4.0	478	60	12682	475	57	11838	466
ALL BREEDS		1959	68	12062	4.0	476	67	11991	465	46	12573	479
		1960	17	12195	3.8	468	14	12524	480	11	13756	523

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AVERAGE FAT LB.
000	BROWN SWISS	1949	1	9520	3.6	341						
		1950	1	11620	3.7	431						
	ALL BREEDS	1949	1	9520	3.6	341						
		1950	1	11620	3.7	431						
001	AYRSHIRE	1959	1	7650	4.2	324	1	7250	264	1	7303	257
		1960	2	8195	3.6	306	1	10100	346	2	7957	284
	GUERNSEY	1949	1	5230	5.1	266						
		1950	2	6170	5.8	351						
		1951	3	6647	5.2	339						
		1952	6	7897	5.1	395	1	10640	502			
		1953	10	7327	4.8	342	3	10320	483			
		1954	3	8340	4.8	397	6	8133	393	5	7386	360
		1955	5	8412	4.6	384	3	8483	414	2	8726	417
		1956	6	8095	4.9	393	5	8390	409	4	8279	404
		1957	5	7496	5.1	385	6	9682	456	6	8606	411
	1958	2	8235	5.4	441	4	8355	426	4	8619	394	
	1959	1	9590	4.8	463							
	HOLSTEIN	1947	23	13655	3.5	472	1	15880	587			
		1948	23	13926	3.5	481	2	11210	451			
		1949	29	13612	3.5	478	2	14050	475			
		1950	30	14030	3.5	492	3	14230	517			
		1951	32	12865	3.6	459	5	14814	549			
		1952	58	12174	3.5	430	30	12088	426			
		1953	84	12521	3.5	439	65	12376	439	57	11389	408
		1954	115	12989	3.5	452	86	12468	440	50	12327	449
		1955	139	13344	3.4	459	124	13350	465	94	12021	432
		1956	160	14085	3.5	494	140	13928	492	130	12703	443
		1957	151	13186	3.5	465	139	13580	478	129	13456	473
		1958	123	13865	3.4	474	88	13705	478	92	13339	484
		1959	57	13832	3.4	473	51	13940	492	44	13332	476
		1960	8	12870	3.4	433	7	13211	475	5	12792	445
		BROWN SWISS	1947	1	9200	4.1	372					
1948			7	9184	4.4	403						
1949	6		9457	4.3	399							
1950	9		10262	4.1	420	2	8445	361				
1951	6		11035	4.2	461	2	9980	422				
1952	10		11523	4.1	464	5	10980	446				
1953	4		11205	4.0	452	4	10718	438	4	10832	422	
1954	7		9879	4.1	400	6	10603	432				
1955	12		10371	4.0	412	12	11587	463	12	9812	401	
1956	23		10347	4.1	415	22	11600	477	14	9789	394	
1957	14		10639	4.1	438	8	12201	502	11	10726	446	
1958	21		10740	4.0	423	16	11049	441	16	9913	403	
1959	13		9651	3.8	374	10	10851	440	9	10696	430	
1960	4		9960	4.1	413	3	8010	314	3	9468	394	
M. SHORTHORN	1950	2	8260	4.1	338							
	1951	2	7485	4.2	322							
	1953	4	5623	4.0	226	1	7890	328	1	7554	278	
	1954	2	7485	4.1	308	2	7805	310	2	7096	263	
	1955	5	7020	4.0	280	4	7658	290	4	6573	262	
	1956	7	10150	3.8	304	7	8943	338	7	6836	255	
	1957	3	9227	3.7	336	3	8723	337	3	7604	288	
	1958	2	9715	3.7	354							
	1959	2	10115	3.9	397	2	7225	277	2	8819	342	
	ALL BREEDS	1947	24	13470	3.5	467	1	15880	587			
1948		30	12819	3.7	463	2	11210	451				
1949		36	12687	3.7	459	2	14050	475				
1950		43	12607	3.8	463	5	11916	454				
1951		43	11926	3.8	445	8	13084	512				
1952		74	11739	3.7	431	38	11802	433				
1953		102	11690	3.7	421	76	11894	434	67	11000	404	
1954		127	12621	3.6	446	99	12140	436	54	12000	442	
1955		161	12773	3.5	447	145	12876	458	114	11466	422	
1956		196	13322	3.6	478	175	13290	482	157	12025	429	
1957		173	12746	3.6	458	154	13278	475	147	13011	465	
1958		148	13289	3.5	465	104	13297	473	106	12831	472	
1959		74	12856	3.5	451	64	13143	474	56	12639	460	
1960		14	11371	3.6	409	11	11510	419	10	10828	398	
002	AYRSHIRE	1949	1	8350	4.4	369						
		1950	3	8887	4.0	356						
		1951	3	9337	4.1	387	2	10550	431			
		1952	6	8518	4.0	338	4	10063	403			
		1953	17	7729	4.2	322	14	7911	311	11	8279	321
		1954	28	7577	4.1	308	27	8380	342	19	7442	265
		1955	30	8153	4.1	335	27	8448	343	24	8192	330
		1956	25									

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUO, BY BREED, BY YEAR OF FRESHENING

STUO	BREED	FRESHENING YEAR	RECORDS			305-LAY CONTEMPORARY			AV.			YEARLY HERO AVERAGE		
			NO.	LB.	PCT.	RECORDS	LB.	FAT	RECORDS	LB.	FAT	RECORDS	LB.	FAT
		1955	363	11566	3.8	434			336	11596	436	245	10837	414
		1956	354	11445	3.9	432			318	11535	438	263	11177	427
		1957	249	11597	3.9	442			224	11537	442	194	11531	444
		1958	181	11902	3.8	440			154	12053	451	108	11405	439
		1959	128	11762	3.7	433			113	11577	442	108	10748	449
		1960	20	12677	3.7	474			19	12501	482	15	12673	472
004	GUERNSEY	1955	1	12240	4.0	493			1	7420	352			
004	HOLSTEIN	1948	1	14220	3.4	482								
		1949	5	13340	3.4	455								
		1950	6	12667	3.6	447	1	15880	507					
		1951	5	10952	3.6	391								
		1952	4	11845	3.5	411								
		1953	3	10097	3.5	341	1	16560	586			1	17102	590
		1954	1	16850	3.5	594	1	18070	647					
	ALL BREEDS	1948	1	14220	3.4	482								
		1949	5	13340	3.4	455								
		1950	6	12667	3.6	447	1	15880	507					
		1951	5	10952	3.6	391								
		1952	4	11845	3.5	411								
		1953	3	10097	3.5	341	1	16560	586			1	17102	590
		1954	1	16850	3.5	594	1	18070	647					
		1955	1	12240	4.0	493	1	7420	352					
005	GUERNSEY	1947	7	6470	5.3	337								
		1948	5	6618	5.2	336								
		1949	2	6690	5.1	337								
		1950	1	7100	5.3	376								
		1951	1	5920	5.0	294								
		1952	1	4560	5.3	241								
	HOLSTEIN	1947	2	12135	3.7	453								
		1948	3	10700	3.7	394								
		1949	3	11953	3.5	416								
		1950	2	12800	3.7	475	1	14440	533					
		1951	3	10100	3.7	381	2	13305	462					
		1952	1	12920	4.0	522	1	13690	484					
		1954	1	12430	3.6	449	1	12110	415			1	10737	392
		1955	1	12740	3.8	479						1	14039	494
	JERSEY	1947	11	6479	5.6	362								
		1948	31	6321	5.8	366	1	8730	419					
		1949	34	6663	5.6	373	1	8260	457					
		1950	27	6820	5.4	372	1	9390	528					
		1951	28	6617	5.5	364	1	9800	513					
		1952	22	6546	5.5	357	1	10910	570					
		1953	20	6022	5.6	333	1	9950	499			1	10301	543
		1954	17	6611	5.3	348	1	9970	504					
		1955	14	5789	5.2	304								
		1956	8	7040	5.2	360								
		1957	5	7514	5.1	377								
		1958	4	5488	4.9	267	1	7530	377					
	BROWN SWISS	1948	1	11580	4.1	473								
		1949	1	10730	3.9	415								
		1950	1	14310	3.7	532								
		1951	1	13290	3.6	479								
		1952	1	14950	3.4	513								
		1954	1	10770	5.0	535								
		1955	1	11230	3.7	415								
	ALL BREEDS	1947	20	7042	5.3	362								
		1948	40	6818	5.5	367	1	8730	419					
		1949	40	7163	5.4	375	1	8260	457					
		1950	31	7456	5.3	384	2	12165	531					
		1951	33	7115	5.3	367	3	12137	479					
		1952	25	7058	5.3	366	2	12300	527					
		1953	20	6022	5.6	333	1	9950	499			1	10301	543
		1954	19	7136	5.2	363	2	11040	460			1	10737	392
		1955	16	6563	5.1	322						1	14039	494
		1956	8	7040	5.2	360								
		1957	5	7514	5.1	377								
		1958	4	5488	4.9	267	1	7530	377					
006	GUERNSEY	1947	5	8044	4.7	373								
		1948	3	7047	4.7	334								
		1949	2	8540	4.6	388								
		1950	3	7883	5.0	391								
		1951	3	7000	5.0	346	2	7750	368					
		1952	2	8505	4.7	396	2	7840	373					
		1953	1	8590	4.0	344								
		1954	2	8290	4.4	364	2	7640	345			2	7445	352
		1955	1	9200	4.7	428	1	7500	381			1	7565	370

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
	HOLSTEIN	1947	41	14248	3.4	484						
		1948	27	12419	3.5	436	1	16650	598			
		1949	23	13277	3.5	466	3	13510	514			
		1950	13	12710	3.5	445	1	14040	475			
		1951	12	11586	3.6	413	5	11330	393			
		1952	9	11832	3.4	404	6	12405	457			
		1953	5	11036	3.6	389	4	12180	452	2	8426	374
		1954	3	13493	3.5	478	3	12637	473			
		1955	3	12600	3.6	456	2	13535	513	1	12709	467
		1956	2	12025	3.3	396	1	14530	503	2	12862	461
		1957	1	15060	3.5	523	1	16480	616	1	13647	507
	ALL BREEDS	1947	46	13574	3.5	472						
		1948	30	11881	3.6	426	1	16650	598			
		1949	25	12898	3.6	460	3	13510	514			
		1950	16	11805	3.8	435	1	14040	475			
		1951	15	10669	3.8	399	7	10307	386			
		1952	11	11227	3.7	403	8	11264	436			
		1953	6	10628	3.6	381	4	12180	452	2	8426	374
		1954	5	11412	3.9	432	5	10638	422	2	7445	352
		1955	4	11750	3.9	449	3	11523	469	2	10137	419
		1956	2	12025	3.3	396	1	14530	503	2	12862	461
		1957	1	15060	3.5	523	1	16480	616	1	13647	507
007	HOLSTEIN	1949	1	15030	3.2	480	1	12640	457			
		1950	3	11187	3.7	418	3	9903	393			
		1951	6	13165	3.5	464	5	13322	472			
		1952	7	14014	3.5	486	7	13497	481			
		1953	8	12815	3.4	440	7	11951	419	7	12865	444
		1954	6	12410	3.3	414	6	12393	424	6	12095	429
		1955	3	10750	3.0	322	3	11980	365	3	12208	408
		1956	3	16077	3.6	570	3	14113	501	1	13505	453
		1957	1	11680	3.3	386	1	13840	501	1	14780	535
		1958	1	19260	3.4	647	1	14080	509	1	12241	449
	BROWN SWISS	1950	1	12580	3.8	480	1	13970	550			
		1951	4	8168	4.3	353	1	8430	345			
		1952	6	8695	4.2	360	3	10027	414			
		1953	4	9640	3.8	364	4	9708	399	3	10148	419
		1954	4	9045	3.7	336	4	10415	417	4	9494	387
		1955	2	9490	3.7	349	2	11910	481	2	9560	395
		1956	1	11560	3.6	419	1	12070	479	1	13069	526
		1959	1	15220	3.4	514	1	10010	391	1	9690	380
	ALL BREEDS	1949	1	15030	3.2	480	1	12640	457			
		1950	4	11535	3.8	433	4	10920	433			
		1951	10	11166	3.8	419	6	12507	451			
		1952	13	11559	3.8	428	10	12456	461			
		1953	12	11757	3.6	416	11	11135	412	10	12050	436
		1954	10	11064	3.5	383	10	11602	421	10	11055	412
		1955	5	10246	3.3	333	5	11952	411	5	11149	403
		1956	4	14948	3.6	532	4	13603	496	2	13287	490
		1957	1	11680	3.3	386	1	13840	501	1	14780	535
		1958	1	19260	3.4	647	1	14080	509	1	12241	449
		1959	1	15220	3.4	514	1	10010	391	1	9690	380
008	AYRSHIRE	1957	2	5970	4.5	262	2	9825	403	2	7096	303
		1959	6	10097	4.2	419	6	10088	414	4	9807	399
		1960	2	9515	4.2	399	2	9980	390	1	6976	303
	GUERNSEY	1951	1	5780	5.6	322						
		1952	1	8170	4.8	391						
		1954	8	8778	4.7	411	8	8436	422	6	9067	432
		1955	7	9103	4.9	441	7	8539	404	6	8046	382
		1956	24	8717	4.9	421	20	9518	435	18	9034	411
		1957	33	7961	4.7	375	27	8903	412	26	8296	396
		1958	24	7755	5.0	394	12	8978	418	11	8701	420
		1959	15	9020	4.6	411	11	9088	426	10	9067	427
		1960	2	9135	4.3	387	2	8690	394	1	9995	448
	HOLSTEIN	1950	2	10300	3.8	389	1	12190	413			
		1951	3	10203	3.8	385						
		1952	6	13707	3.5	479	1	9990	337			
		1953	28	13248	3.5	468	15	11877	438	12	11512	416
		1954	79	12723	3.6	458	61	11964	434	25	12281	434
		1955	157	12589	3.6	451	146	12472	448	114	11597	425
		1956	266	12940	3.6	466	244	13013	469	203	12303	443
		1957	269	12246	3.7	445	248	12566	456	192	12425	451
		1958	339	12771	3.6	462	246	12964	468	230	11212	457
		1959	477	13061	3.6	472	408	12696	457	396	10938	450
		1960	78	11897	3.6	429	72	12307	447	61	12600	459
	JERSEY	1958	5	7784	5.4	427	3	7423	401			
		1959	3	7977	5.2	417	3	7537	415	2	7810	434

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
	BROWN SWISS	1955	1	12430	4.1	512	1	11110	481	1	10028	441
		1956	7	11119	4.3	479	6	10143	430	6	9227	384
		1957	14	9948	4.4	432	8	9543	407	9	9241	388
		1958	29	10895	4.1	445	16	10342	414	16	9769	404
		1959	41	9793	4.2	409	34	10356	419	28	9780	395
		1960	16	10543	4.2	442	15	9718	392	9	9877	406
	M. SHORTHORN	1953	1	6850	4.1	282	1	6790	240	1	5788	213
		1954	1	9330	3.7	348	1	7980	302			
		1955	1	8180	4.0	330	1	3840	160			
		1956	6	8055	3.8	306	6	9782	368	1	7903	289
		1957	7	7733	3.9	304	5	9850	363	4	8058	309
		1958	4	7390	3.6	261	2	14370	526	3	8161	317
		1959	4	7920	3.9	308	3	6863	260	3	7764	299
		1960	1	8170	3.4	281	1	12640	516			
	ALL BREEDS	1950	2	10300	3.8	389	1	12190	413			
		1951	4	9098	4.3	369						
		1952	7	12916	3.7	466	1	9990	337			
		1953	29	13027	3.6	462	16	11559	426	13	11072	400
		1954	88	12325	3.7	452	70	11504	431	31	11659	433
		1955	166	12415	3.6	450	155	12230	444	121	11408	423
		1956	303	12467	3.7	459	276	12627	464	226	11945	439
		1957	325	11576	3.8	434	290	12076	448	233	11720	439
		1958	401	12219	3.8	454	279	12592	462	260	10983	450
		1959	546	12606	3.7	464	465	12335	451	443	10777	445
		1960	99	11536	3.7	428	92	11759	437	72	12145	450
009	GUERNSEY	1948	3	5977	5.3	313						
		1949	4	7143	5.8	409						
		1950	2	7355	5.3	384						
		1951	1	5900	5.3	311						
		1953	1	4660	5.0	234	1	7220	319			
	HOLSTEIN	1948	3	9870	3.9	386						
		1949	1	11030	3.4	373						
		1950	8	14116	3.5	496	3	14480	513			
		1951	6	11767	3.8	433	5	11468	423			
		1952	4	13845	3.7	502	3	13883	517			
		1953	5	11460	3.8	430	5	12994	468	5	13122	475
		1954	5	9664	3.9	371	5	12104	427	2	13222	476
		1955	4	13318	3.4	454	4	13425	477	4	12066	432
		1956	4	15048	3.8	566	4	13598	468	3	14177	495
		1957	15	12395	3.4	416	14	12939	452	3	12451	454
		1958	2	13270	3.7	486	1	15170	578	1	14944	556
		1959	3	14853	3.5	521	3	13730	488	3	14043	506
		1960	1	4890	4.1	201	1	12060	434			
	BROWN SWISS	1948	2	8955	4.3	387	1	11200	448			
		1949	3	10940	4.3	469	1	13160	505			
		1950	3	11277	4.1	464	1	11490	484			
		1951	2	8565	4.0	342	2	8850	362			
		1952	1	6040	3.7	225	1	7870	328			
		1953	2	9190	3.8	349	2	9230	383	2	9031	377
		1954	1	10880	4.2	455	1	9730	404	1	8851	349
		1955	1	12360	4.3	535	1	12180	542	1	9843	419
		1956	1	12570	4.3	542	1	11180	467	1	12873	540
	ALL BREEDS	1948	8	8181	4.5	359	1	11200	448			
		1949	8	9053	4.9	427	1	13160	505			
		1950	13	12421	3.9	472	4	13733	506			
		1951	9	10403	4.0	399	7	10720	406			
		1952	5	12284	3.7	446	4	12360	470			
		1953	8	10043	3.9	385	8	11331	428	7	11953	447
		1954	6	9867	4.0	385	6	11708	423	3	11765	434
		1955	5	13126	3.5	470	5	13176	490	5	11622	429
		1956	5	14552	3.9	561	5	13114	468	4	13851	506
		1957	15	12395	3.4	416	14	12939	452	3	12451	454
		1958	2	13270	3.7	486	1	15170	578	1	14944	556
		1959	3	14853	3.5	521	3	13730	488	3	14043	506
		1960	1	4890	4.1	201	1	12060	434			
010	HOLSTEIN	1950	1	13600	3.5	480	1	15890	561			
		1952	3	12327	3.6	446	3	13853	485			
		1953	2	12775	3.2	414	2	10115	354	1	12720	459
		1954	3	11967	3.6	426	3	13107	470	2	12557	413
	ALL BREEDS	1950	1	13600	3.5	480	1	15890	561			
		1952	3	12327	3.6	446	3	13853	485			
		1953	2	12775	3.2	414	2	10115	354	1	12720	459
		1954	3	11967	3.6	426	3	13107	470	2	12557	413

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERO AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
001	GUERNSEY	1950	4	6455	4.8	310						
		1951	5	6620	5.0	333						
		1952	13	8162	5.0	402	1	5360	247			
		1953	19	7599	5.0	376	4	7850	401			
		1954	28	8332	4.9	404	10	10292	463	10	8451	400
		1955	38	7928	4.9	390	17	8925	399	14	8569	413
		1956	38	7928	4.9	390	21	9016	421	23	8417	399
		1956	26	8302	4.8	393	20	8720	418	21	8232	402
		1957	11	8964	4.7	402	6	8808	436	9	7878	373
		1958	7	10420	4.7	489	6	8967	355	3	7812	368
	1959	2	11345	4.6	514	1	10850	580	1	9854	505	
	1960	1	11990	4.7	565	1	8460	403				
	HOLSTEIN	1949	6	11847	3.6	421	1	11340	393			
		1950	8	13893	3.6	487	2	14200	533			
		1951	15	11369	3.5	399	3	12640	467			
		1952	28	10472	3.7	383	7	12397	475			
		1953	45	11629	3.7	432	30	12540	478	18	11322	436
		1954	64	12131	3.7	441	53	12259	456	47	12078	457
		1955	74	12029	3.7	440	60	12112	442	61	12105	449
		1956	86	12390	3.6	446	74	11949	433	73	12524	461
		1957	69	11527	3.6	410	62	11670	424	49	11924	436
		1958	65	12251	3.5	431	60	12210	451	41	11470	414
	1959	115	12287	3.6	445	101	12517	458	105	11802	449	
	1960	21	12062	3.7	443	19	12735	479	4	11295	415	
	JERSEY	1947	1	7980	4.6	369						
		1948	5	7690	5.1	389						
		1949	6	8325	4.8	397						
		1950	14	7554	5.3	400	1	6800	432			
		1951	18	8168	5.3	427						
		1952	27	7451	5.2	385	7	7629	413			
		1953	52	7332	5.4	392	22	7575	386	13	7326	384
		1954	78	7577	5.3	396	43	7734	391	26	7287	373
		1955	68	7202	5.2	373	42	7323	370	40	7584	390
		1956	48	7320	5.2	374	24	8083	405	24	7508	378
	1957	27	7446	5.2	378	11	8126	422	10	7991	399	
	1958	23	7596	5.2	391	9	8011	409	9	7571	382	
	1959	14	7663	5.1	382	6	7643	395	8	7792	381	
	1960	3	9523	4.5	420							
	BROWN SWISS	1958	1	12080	4.1	496	1	11040	428	1	8785	358
		1959	8	10068	4.1	415	6	10658	424	7	9047	413
		1960	3	9730	3.9	377	2	10540	388	2	10279	403
	ALL BREEDS	1947	1	7980	4.6	369						
		1948	5	7690	5.1	389						
		1949	12	10086	4.2	409	1	11340	393			
		1950	26	9335	4.7	413	3	11733	499			

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
		1959	186	12367	3.7	455	170	12621	469	157	12028	471
		1960	49	12639	3.7	468	45	12338	462	23	12843	478
	JERSEY	1947	1	7200	5.4	385						
		1948	7	6871	5.4	371						
		1949	32	7842	5.4	421		8280	433			
		1950	65	7859	5.3	415	8	7908	424			
		1951	109	7813	5.3	407	23	8210	430			
		1952	165	7495	5.3	391	43	7774	414			
		1953	136	7341	5.3	387	50	7924	419	35	7736	397
		1954	163	7591	5.2	394	67	7355	390	57	7721	406
		1955	144	7753	5.2	404	80	7931	415	77	7800	407
		1956	96	7886	5.2	410	59	8335	434	56	7893	411
		1957	71	7036	5.2	367	44	7739	413	46	7677	411
		1958	90	7733	5.2	398	48	8181	430	44	7797	405
		1959	124	7935	5.2	417	68	7932	416	84	8263	443
		1960	53	7934	5.2	410	46	8122	419	15	8227	440
	BROWN SWISS	1952	1	11490	4.0	461						
		1956	3	8157	4.6	370						
		1957	5	10526	4.0	422						
		1958	4	11953	4.1	487						
		1959	4	12310	4.2	509	2	12730	560	1	12034	464
		1960	3	11430	4.4	502	3	10230	443	3	11478	494
	M. SHORTHORN	1953	3	7333	4.1	299	2	9045	348	3	8448	342
		1954	6	6617	4.0	264	5	8782	343	5	7656	294
		1955	6	9358	4.3	404	6	7673	299	4	7483	296
		1956	11	8006	4.1	331	6	9213	379	2	7156	289
		1957	14	8619	4.1	359	11	9776	395	6	7904	319
		1958	8	8764	4.5	392	4	9930	400	4	6867	283
		1959	15	9735	3.9	382	12	8918	364	6	6758	340
	ALL BREEDS	1947	5	9168	4.0	361						
		1948	12	8504	4.6	377						
		1949	44	8225	5.1	411	4	10825	420			
		1950	125	9275	4.8	427	33	11115	444			
		1951	257	9211	4.6	406	79	10483	436			
		1952	383	9061	4.6	401	162	10064	424			
		1953	442	9635	4.4	408	282	10523	428	227	10174	414
		1954	516	9608	4.4	406	372	10162	417	330	10043	419
		1955	566	9836	4.3	409	465	10232	420	406	9986	418
		1956	528	10442	4.2	425	437	10698	435	384	10490	428
		1957	466	10287	4.2	414	388	10871	438	371	10576	427
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TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE					
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	FAT LB.			
		1960	1	10290	5.1	521	1	7140	373	1	7216	379			
004	ALL BREEDS	1947	2	9015	4.1	363									
		1948	8	7195	5.1	351									
		1949	34	8886	4.6	383									
		1950	32	9778	4.5	413	3	9913	408						
		1951	31	9502	4.4	401	2	10560	427						
		1952	38	9768	4.3	401	7	7540	314						
		1953	43	9299	4.1	377	15	9446	371						
		1954	44	9142	4.1	368	35	8721	345	33	8311	342			
		1955	43	9084	4.0	350	35	8939	342	36	8385	337			
		1956	35	9274	3.9	356	38	9582	382	37	9737	383			
		1957	21	7869	4.2	322	30	9628	383	31	10187	401			
		1958	17	9552	4.2	377	17	8561	362	16	8330	352			
		1959	15	11671	4.0	456	13	10132	432	13	8948	369			
		1960	3	10233	4.7	473	14	10803	430	13	10559	417			
								3	9663	425	1	7216	379		
		004	GUERNSEY	1950	4	6900	5.0	341							
				1951	3	8007	4.9	388							
				1952	6	8063	4.9	393	1	7550	347				
1953	4			7215	4.9	351	1	6220	302						
1954	2			8115	4.6	374	1	9060	430	1	6344	304			
1955	4			8180	5.0	406	1	7320	364	1	8927	424			
1956	2			7520	4.7	349	3	7637	376	3	9876	463			
1957	2			8350	4.9	404	1	8150	398	1	8469	393			
1958	2			5660	4.3	244	2	7365	351	2	7881	388			
							1	8170	371	1	6246	287			
HOLSTEIN	1954			2	11000	3.6	392								
	1955			1	13750	3.5	481					1	8676	317	
	1956			1	13080	3.2	424					1	9897	350	
JERSEY	1949			4	7018	5.5	391								
	1950			12	6978	5.5	384								
	1951			16	6893	5.1	350								
	1952			39	7560	5.1	388	1	7500	391					
	1953			43	7382	5.2	383	4	8530	427					
	1954	24	8026	5.2	417	12	8075	412	7	7431	390				
	1955	11	8600	5.1	439	13	7712	380	10	6843	379				
	1956	10	7453	5.2	383	7	8716	415	7	8636	412				
	1957	6	7563	4.9	371	4	8793	432	4	7707	378				
	1958	6	8495	4.8	404	3	8860	389	2	9941	446				
ALL BREEDS	1949	4	7018	5.5	391										
	1950	16	6959	5.4	373										
	1951	19	7069	5.1	356										
	1952	45	7627	5.1	389	2	7525	369							
	1953	47	7368	5.1	381	5	8068	402							
	1954	28	8245	5.0	412	13	8151	413	6	7295	379				
	1955	16	8817	5.0	433	14	7684	379	11	7033	383				
	1956	13	7896	5.0	381	10	8392	403	11	8978	417				
	1957	8	7760	4.9	380	6	9153	420	6	8199	376				
	1958	8	7786	4.7	364	5	8262	374	4	8911	417				
005	JERSEY	1949	4	6630	5.4	356									
		1950	9	8989	5.1	451									
		1951	15	7435	5.4	402	1	6310	405						
		1952	14	7299	5.5	398	1	8390	456						
		1953	6	7613	5.3	398	2	7945	455						
		1954	12	6622	5.4	345									
		1955	2	6025	5.0	306	3	7670	415	3	7303	346			
		1956	3	7240	4.8	343									
		1957	1	12660	5.3	672									
		1958	1	8640	4.9	425	1	5720	299						
		1959	1	10380	6.3	656									
		ALL BREEDS	1949	4	6630	5.4	356								
			1950	9	8989	5.1	451								
			1951	15	7435	5.4	402	1	6310	405					
			1952	14	7299	5.5	398	1	8390	456					
			1953	6	7613	5.3	398	2	7945	455					
			1954	12	6622	5.4	345								
			1955	2	6025	5.0	306	3	7670	415	3	7303	346		
1956	3		7240	4.8	343										
1957	1		12660	5.3	672										
1958	1		8640	4.9	425	1	5720	299							
006	GUERNSEY	1948	1	5480	5.2	286									
006	JERSEY	1947	1	8080	4.4	353									
		1948	2	6100	5.3	321									
		1949	5	7218	5.0	360									
		1950	3	8457	4.9	409									
		1951	3	9300	4.9	456									
		1952	4												

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
		1953	4	6973	4.7	326	1	7580	366	1	7499	355
		1954	2	7570	4.8	363	1	7060	346	1	6976	351
	ALL BREEDS	1947	1	8080	4.4	353						
		1948	3	5893	5.2	309						
		1949	5	7218	5.0	360						
		1950	3	8457	4.9	409						
		1951	3	9300	4.9	456						
		1952	4	7470	4.8	356	1	7900	376			
		1953	4	6973	4.7	326	1	7580	366	1	7499	355
		1954	2	7570	4.8	363	1	7060	346	1	6976	351
008	JERSEY	1947	3	7130	5.3	379						
	ALL BREEDS	1947	3	7130	5.3	379						
009	JERSEY	1947	1	6190	5.2	320						
		1949	2	6230	5.1	316						
		1950	1	2780	5.2	143						
	ALL BREEDS	1947	1	6190	5.2	320						
		1949	2	6230	5.1	316						
		1950	1	2780	5.2	143						
075	JERSEY	1955	2	8650	5.4	470	2	7400	389	1	7815	391
		1956	1	9510	5.7	545	1	9470	470			
	ALL BREEDS	1955	2	8650	5.4	470	2	7400	389	1	7815	391
		1956	1	9510	5.7	545	1	9470	470			

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
001	GUERNSEY	1950	3	6917	5.1	350						
		1951	2	6250	4.8	300						
		1952	2	7420	5.3	386						
		1953	3	6547	4.4	291						
		1954	2	7030	4.5	316						
		1957	1	5590	4.1	232	1	6200	296	1	7325	341
		1958	1	10710	4.0	432						
		1959	1	8820	4.9	434	1	9330	415	1	9047	415
	HOLSTEIN	1949	4	15073	3.5	515						
		1950	11	13132	3.7	466						
		1951	13	14030	3.4	481	2	13555	465			
		1952	15	14131	3.3	467	2	13315	456			
		1953	15	12581	3.5	440	3	10710	370	4	12758	469
		1954	30	13605	3.4	457	19	12437	447	21	12125	413
		1955	24	12167	3.5	423	15	12099	429	18	12189	426
		1956	14	13743	3.5	484	11	13816	510	10	14269	507
		1957	18	12687	3.6	452	15	12819	463	17	13072	463
		1958	26	12698	3.3	425	15	12459	437	16	9490	373
		1959	37	12164	3.4	406	31	11084	380	36	10131	403
		1960	8	11798	3.4	397	8	11588	389	5	11912	405
	JERSEY	1951	2	5865	5.9	341						
		1952	1	4940	5.9	292						
		1953	1	4710	6.2	290						
		1954	2	5385	6.1	328						
		1955	1	5120	6.3	324						
		1957	1	5150	6.2	317						
	BROWN SWISS	1950	1	16170	3.4	557						
		1951	11	8545	4.1	355						
		1952	6	9140	4.0	360						
		1953	12	9618	4.0	384	2	13295	529	3	10951	445
		1954	11	12006	3.8	458	3	13603	532	3	11543	466
		1955	4	14860	3.7	548	2	15475	610	2	11064	440
		1956	6	12628	3.9	484	1	12100	486	1	12993	508
		1957	8	13274	4.0	533	2	11125	482	2	11249	464
		1958	6	12097	3.8	457	1	5080	180			
		1959	8	11509	4.3	495	6	10853	451	5	9389	395
	M. SHORTHORN	1955	2	7715	4.1	314						
		1957	2	6315	3.9	244	1	12990	484	2	8639	308
	ALL BREEDS	1949	4	15073	3.5	515						
		1950	15	12091	4.0	459						
		1951	28	10736	4.0	409	2	13555	465			
		1952	24	11941	3.8	426	2	13315	456			
		1953	31	10596	3.9	399	5	11744	434	7	11984	459
		1954	45	12557	3.7	446	22	12640	458	24	12053	420
		1955	31	12000	3.6	429	17	12496	450	20	12077	427
		1956	20	13409	3.6	484	12	13673	508	11	14153	507
		1957	30	11931	3.8	448	19	12302	457	22	12242	444
		1958	33	12528	3.4	431	16	11998	421	16	9490	373
		1959	46	11977	3.6	422	38	11001	392	42	10017	402
		1960	8	11798	3.4	397	8	11588	389	5	11912	405

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTER, OF GIRLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERO AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
001	GUERNSEY	1950	1	5980	5.4	322						
		1951	1	8970	4.8	434						
		1952	3	7227	4.8	351						
		1953	7	7980	4.8	384						
		1954	9	7097	4.5	321				1	7870	415
		1955	10	8175	4.6	373	5	9704	477	2	9151	457
		1956	11	8273	4.8	390	3	9160	445	2	9380	455
		1957	6	8377	4.7	393	3	9520	463	2	8998	438
		1958	2	8305	4.6	375	1	10060	463	1	8938	434
		1959	1	9040	4.1	373	1	10850	468	1	9799	468
	HOLSTEIN	1947	5	13720	3.3	456						
		1948	9	13999	3.7	508						
		1949	15	13200	3.7	489						
		1950	16	13129	3.7	481	1	9930	350			
		1951	40	12095	3.6	434	8	10996	433			
		1952	56	12914	3.6	459	22	11533	425			
		1953	121	12403	3.6	448	68	11395	427	61	10993	411
		1954	170	12190	3.6	440	111	11107	415	92	11630	435
		1955	185	12606	3.7	462	137	11966	448	112	11282	425
		1956	162	12849	3.7	472	113	12058	453	112	11860	438
		1957	137	11948	3.6	430	104	11791	431	83	12035	444
		1958	111	11363	3.6	407	82	11382	412	81	11360	419
		1959	83	12114	3.7	445	75	12459	453	49	11675	420
		1960	19	11436	3.6	411	15	10956	395	12	10718	398
	JERSEY	1956	1	7810	4.9	385	1	8500	399	1	6922	366
		1957	2	7700	5.3	408	1	8500	399	2	8088	424
		1958	1	5440	5.4	295						
		1959	3	8527	5.2	439	3	7783	414	2	8360	447
		1960	2	9895	5.4	527	2	8000	437			
	BROWN SWISS	1955	3	7750	4.6	351	3	10110	418	1	10780	455
		1956	3	10527	4.3	451	1	7560	323	3	11398	444
		1957	2	10210	4.3	427				1	10333	415
		1958	4	9720	4.5	432	1	8920	385	1	10671	456
		1959	10	12063	4.1	498	9	11209	450			
		1960	8	8326	4.2	353	8	9844	400	8	11053	448
	M. SHORTHORN	1958	1	7600	3.6	273	1	6950	263	1	7848	305
		1959	2	4755	3.5	169	2	5855	225	2	6453	243
	ALL BREEDS	1947	5	13720	3.3	456						
		1948	9	13999	3.7	508						
		1949	15	13200	3.7	489						
		1950	17	12709	3.8	472	1	9930	350			
		1951	41	12018	3.6	434	8	10996	433			
		1952	59	12625	3.6	454	22	11533	425			
		1953	128	12161	3.7	445	68	11395	427	61	10993	411
		1954	179	11934	3.7	434	111	11107	415	93	11589	435
		1955	198	12309	3.8	456	145	11849	448	115	11241	425
		1956	177	12497	3.8	466	118	11916	451	116	11764	438
		1957	147	11721	3.7	428	108	11697	431	88	11857	443
		1958	119	11175	3.6	405	85	11285	411	84	11281	418
		1959	99	11821	3.8	444	90	12014	447	54	11324	416
		1960	29	10472	3.9	403	25	10364	400	20	10852	418
003	GUERNSEY	1947	6	8450	4.6	391	2	8735	443			
		1948	8	8329	4.8	397	2	10755	512			
		1949	19	8295	5.1	424	3	10123	507			
		1950	20	7901	5.2	411	5	9456	475			
		1951	27	7910	5.0	397	8	9195	438			
		1952	21	7950	4.8	381	10	9544	457			
		1953	12	8561	4.8	404	10	9872	458	5	8853	404
		1954	18	8003	4.6	368	11	8964	426	10	8818	437
		1955	8	8606	4.4	384	6	8990	429	6	8842	433
		1956	7	8823	4.7	413	5	9686	476	5	9370	469
		1957	4	6858	4.6	318	3	7433	373	2	10503	450
	HOLSTEIN	1947	23	10790	3.8	399						
		1948	35	12085	3.8	450						
		1949	36	11443	3.7	423						
		1950	48	11468	3.7	420	6	11610	439			
		1951	47	11280	3.7	414	9	12612	448			
		1952	39	11279	3.6	405	18	11376	413			
		1953	29	11457	3.6	410	23	11592	422	21	11115	404
		1954	25	10610	3.7	384	22	11410	419	21	11013	401
		1955	11	10283	3.7	376	10	12017	455	9	11464	434
		1956	4	8665	3.5	305	3	11743	451	2	10399	383
		1958	1	14240	3.8	548	1	15030	560	1	14900	561
	JERSEY	1947	1	4070	5.2	213						
		1948	2	4500	5.6	242						
		1949	1	3950	5.4	215						

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
		1950	1	5370	4.8	256						
		1951	1	10310	4.6	470						
		1952	1	8140	4.0	329						
	BROWN SWISS	1949	2	6130	4.4	261						
		1950	1	5510	4.5	249						
		1951	1	9170	4.4	408						
		1952	2	6975	4.0	279						
		1953	2	11770	4.0	463						
		1954	4	11130	4.0	442	2	10925	434			
		1955	2	11890	3.7	444						
	M. SHORTHORN	1951	5	7250	4.0	290	2	6455	266			
		1952	4	6958	4.1	278						
		1953	5	6396	4.1	254	3	6950	301	3	6878	279
		1954	3	8897	4.1	364	2	7400	276	2	5134	196
		1955	1	8220	4.0	331						
	ALL BREEDS	1947	30	10098	4.0	391	2	8735	443			
		1948	45	11080	4.0	431	2	10755	512			
		1949	58	10099	4.2	414	3	10123	507			
		1950	70	10276	4.1	413	11	10631	455			
		1951	81	9870	4.2	401	19	10525	425			
		1952	67	9802	4.0	385	28	10722	429			
		1953	48	10219	3.9	395	36	10729	422	29	10287	391
		1954	50	9610	4.0	382	37	10440	414	33	9991	399
		1955	22	9725	4.0	383	16	10862	445	15	10415	433
		1956	11	8765	4.2	374	8	10458	466	7	9664	444
		1957	4	6858	4.6	318	3	7433	373	2	10503	450
		1958	1	14240	3.8	548	1	15030	560	1	14900	561
004	GUERNSEY	1947	1	7950	5.1	405						
		1948	1	7780	6.3	493						
		1949	3	8283	5.4	445						
		1950	2	7445	5.5	407						
		1951	6	7042	5.1	360	1	7970	370			
		1952	3	7253	5.2	373	1	8140	385			
		1953	3	6057	5.0	304	3	8400	390	2	8851	390
		1954	2	5285	4.4	234	2	8380	356	2	7870	337
		1955	1	8600	5.0	433	1	7620	400	1	6704	328
		1956	1	6760	5.1	346	1	10440	558	1	7881	391
	HOLSTEIN	1947	10	11437	3.6	413	1	15780	553			
		1948	9	11183	3.7	417						
		1949	21	10480	3.8	394						
		1950	16	11868	3.6	422	1	16080	510			
		1951	19	10369	3.6	371	4	11115	420			
		1952	16	10410	3.5	363	7	10946	398			
		1953	12	11444	3.5	399	7	11263	414	3	8626	343
		1954	9	12488	3.3	409	8	11781	433	5	9468	332
		1955	4	13140	3.1	403	3	13550	497	1	7412	284
		1956	1	13730	3.7	503	1	15310	547			
	JERSEY	1949	1	5180	5.2	268						
		1950	3	5490	5.5	300						
		1951	2	6460	5.9	380						
		1952	1	7110	4.9	352						
	ALL BREEDS	1947	11	11120	3.7	413	1	15780	553			
		1948	10	10843	4.0	424						
		1949	25	10005	4.0	395						
		1950	21	10535	4.0	403	1	16080	510			
		1951	27	9340	4.1	369	5	10466	410			
		1952	20	9772	3.8	364	8	10595	396			
		1953	15	10367	3.8	380	10	10404	407	5	8716	362
		1954	11	11178	3.5	377	10	11101	417	7	9011	333
		1955	5	12232	3.5	413	4	12068	473	2	7058	306
		1956	2	10245	4.4	425	2	12875	553	1	7881	391
005	GUERNSEY	1955	1	8040	4.4	355						
005	HOLSTEIN	1949	2	12915	3.3	421						
		1950	3	11663	3.7	437						
		1951	7	11199	3.7	418						
		1952	18	12472	3.6	442	3	12810	443			
		1953	19	11912	3.7	444	7	13640	485	6	11318	403
		1954	18	12527	3.8	464	10	13292	501	8	11975	442
		1955	26	12067	3.8	452	18	12752	458	16	12066	441
		1956	20	13393	3.8	506	16	13155	485	19	12849	465
		1957	11	12289	3.8	454	11	13530	488	10	13053	474
		1958	5	14602	3.7	528	5	14586	523	5	13911	510
		1959	9	12924	3.7	477	7	15067	526	5	12629	459
		1960	1	13160	3.8	504	1	12000	457	1	13625	481

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE			
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AVERAGE FAT LB.	
006	BROWN SWISS	1953	1	6000	4.5	270	1	10470	417				
		1954	3	8083	3.6	290	3	10783	444				
		1955	3	10483	3.9	402	3	10313	412	1	8546	403	
		1956	1	11040	4.2	463				1	9952	399	
		1957	1	7360	3.9	290							
	ALL BREEDS	1949	2	12915	3.3	421							
		1950	3	11683	3.7	437							
		1951	7	11199	3.7	418							
		1952	18	12472	3.6	442	3	12810	443				
		1953	20	11616	3.8	435	8	13244	476	6	11318	403	
		1954	21	11892	3.7	439	13	12718	488	8	11975	442	
		1955	30	11774	3.8	444	21	12404	452	19	11900	439	
		1956	21	13281	3.8	504	16	13155	465	20	12705	462	
		1957	12	11878	3.8	440	11	13530	488	10	13053	474	
		1958	5	14602	3.7	528	5	14586	523	5	13911	510	
		1959	9	12924	3.7	477	7	15067	526	5	12629	459	
		1960	1	13160	3.8	504	1	12000	457	1	13625	481	
		GUERNSEY	1947	3	7060	4.9	346						
			1948	4	5555	4.9	267						
			1949	3	7283	4.2	303						
	1950		7	8077	4.9	397							
	1951		11	7966	4.8	381	3	9850	398				
	1952		10	7900	4.9	387	2	9105	383				
	1953		12	9042	4.7	421	8	8843	396	4	8851	390	
	1954		15	8259	4.9	408	13	9238	405	5	9754	403	
1955	3		10567	5.1	532	3	9667	459	2	9413	473		
1956	1		7630	5.7	434	1	8790	432	1	9974	492		
1957	2		10040	4.9	478	2	9490	445	2	9914	487		
1958	5		8916	4.7	413	4	9483	460	3	8913	444		
1959	3		9550	4.7	445	2	9500	465	1	8775	429		
HOLSTEIN	1949		10	11519	3.7	426	2	12135	396				
	1950		10	12530	3.7	468	4	13225	474				
	1951	40	11942	3.7	440	13	12836	472					
	1952	40	12531	3.6	455	14	14132	504					
	1953	65	12546	3.6	455	36	12392	463	19	11629	433		
	1954	69	12364	3.6	448	38	12754	461	30	12360	448		
	1955	60	12650	3.6	452	42	12561	455	28	12459	446		
	1956	43	13023	3.6	458	35	14033	490	27	12795	460		
	1957	37	12577	3.5	441	33	12819	454	32	12947	451		
	1958	14	15028	3.5	521	14	13565	474	11	12540	433		
	1959	14	13893	3.5	489	13	13185	475	9	13143	469		
	1960	3	15017	3.7	560	1	15090	606					
	JERSEY	1949	2	9340	5.6	521							
		1950	7	8173	5.0	411	2	8540	424				
		1951	11	9725	5.2	502	1	8250	420				

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HLRD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
007		1954	17	8152	5.0	400	12	9011	388	11	9358	422
		1955	9	8336	5.0	411	6	10803	456	5	11665	516
		1956	6	8615	5.0	420	4	11003	448	4	11944	499
		1957	4	8903	4.8	431	3	11990	479	3	11816	459
		1958	2	8245	5.0	414						
	HOLSTEIN	1949	2	12640	3.7	462						
		1950	12	12807	3.7	468	6	12540	487			
		1951	27	12279	3.7	447	10	11169	418			
		1952	47	11902	3.6	429	22	12314	461			
		1953	55	12871	3.6	462	28	12400	463	19	11189	423
		1954	62	10967	3.6	394	46	11581	425	36	11325	423
		1955	80	12639	3.7	462	65	11967	452	48	10979	415
		1956	70	12664	3.7	466	56	12438	463	40	12021	445
		1957	52	12759	3.6	460	41	12159	440	31	12145	451
		1958	41	12318	3.6	436	29	12215	445	21	12285	442
	1959	33	13590	3.6	490	30	12747	471	16	12827	463	
	1960	6	13395	3.7	494	5	11956	426	4	11072	405	
	JERSEY	1951	2	8340	5.3	432						
		1952	1	8910	5.3	469	1	9460	468			
		1953	14	7886	5.4	422	2	7190	362	1	8273	401
		1954	9	7552	5.3	398	4	7828	400			
		1955	7	7959	5.4	428	5	9184	475			
		1956	6	7550	5.0	384	6	9425	492	2	8224	409
		1957	2	10865	5.0	537	1	8050	448			
		1958	4	8295	5.0	410	2	8145	428	1	7281	377
1960	1	7290	4.9	359	1	7790	398	1	7554	389		
BROWN SWISS	1952	1	9520	4.7	450							
	1953	2	12420	4.5	550	1	11640	488	1	12829	525	
	1954	7	11844	4.2	501				2	10813	410	
	1955	13	10486	4.3	449	9	11056	449	6	9283	379	
	1956	14	9736	4.3	420	10	11760	503	11	11691	461	
	1957	9	10322	4.4	445	5	11682	481	0	11551	435	
	1958	11	12747	4.3	540	3	10690	450	3	9730	416	
	1959	3	10803	4.1	446	3	10283	422	2	10895	463	
M. SHORTHORN	1957	1	10660	4.0	430	1	8130	298				
ALL BREEDS	1949	2	12640	3.7	462							
	1950	12	12807	3.7	468	6	12540	487				
	1951	32	11779	3.8	442	11	10848	414				
	1952	53	11621	3.8	432	24	12054	461				
	1953	86	11114	4.2	444	38	11452	445	27	10613	423	
	1954	95	10204	4.0	403	62	10841	416	49	10863	422	
	1955	109	11726	4.0	454	85	11625	454	59	10865	420	
	1956	96	11665	4.0	451	76	12036	470	63	11838	450	
	1957	68	12123	3.8	458	51	11942	444	40	12031	449	
	1958	58	11982	3.8	453	34	11841	445	25	11778	436	
	1959	36	13358	3.7	486	33	12523	467	16	12612	463	
	1960	7	12523	3.9	475	6	11262	421	5	10368	402	
	008 HOLSTEIN	1947	1	9100	3.7	338						
1948		2	10975	3.3	359							
1949		1	6060	3.8	233							
1950		3	11770	3.5	408	1	13530	535				
1951		9	11110	3.6	395	4	12115	444				
1952		12	14598	3.5	514	3	12440	438				
1953		14	14191	3.5	498	5	11912	445	5	13307	465	
1954		8	12765	3.5	440	1	9690	392	1	11521	502	
1955		6	14090	3.4	474	2	11350	434	2	12372	426	
1956		4	14758	3.4	507	1	9950	368	2	13544	485	
1958		2	15515	3.6	549	2	14060	520	1	11042	388	
1959		1	14260	3.6	512	1	14760	530	1	14377	519	
ALL BREEDS		1947	1	9100	3.7	338						
		1948	2	10975	3.3	359						
		1949	1	6060	3.8	233						
		1950	3	11770	3.5	408	1	13530	535			
		1951	9	11110	3.6	395	4	12115	444			
	1952	12	14598	3.5	514	3	12440	438				
	1953	14	14191	3.5	498	5	11912	445	5	13307	465	
	1954	8	12765	3.5	440	1	9690	392	1	11521	502	
	1955	6	14090	3.4	474	2	11350	434	2	12372	426	
	1956	4	14758	3.4	507	1	9950	363	2	13544	485	
1958	2	15515	3.6	549	2	14060	520	1	11042	388		
1959	1	14260	3.6	512	1	14760	530	1	14377	519		
009 HOLSTEIN	1951	7	11897	3.7	439	3	12810	456				
	1952	10	12589	3.8	470	9	12926	470				
	1953	22	11710	3.6	420	21	11740	406	9	10866	386	
	1954	28	11349	3.5	399	28	11815	420				
	1955	22	11272	3.5	393	22	11889	418	21	11398	404	
	1956	17										

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.		RECORDS NO.	MILK LB.	FAT LB.
		1957	7	10584	3.3	356	7	11571	409		7	12403	444
		1958	1	13690	3.5	473	1	12220	447		1	12633	464
		1959	1	12700	3.6	459	1	10890	403		1	12306	447
ALL BREEDS		1951	7	11897	3.7	439	3	12810	456				
		1952	10	12589	3.6	470	9	12926	470				
		1953	22	11710	3.6	420	21	11740	406		9	10866	386
		1954	28	11349	3.5	399	28	11815	420				
		1955	22	11272	3.5	393	22	11889	418		21	11398	404
		1956	17	11306	3.5	397	15	11847	428		15	11616	410
		1957	7	10584	3.3	356	7	11571	409		7	12403	444
		1958	1	13690	3.5	473	1	12220	447		1	12633	464
		1959	1	12700	3.6	459	1	10890	403		1	12306	447

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUO	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY RECORDS NO.	HERO MILK LB.	AVERAGE FAT LB.
							RECORDS NO.	MILK LB.	FAT LB.			
001	AYRSHIRE	1953	25	9318	4.2	391	3	8520	368	2	7740	343
		1954	78	9522	4.2	396	8	8734	375	4	9124	379
		1955	100	9196	4.2	385	8	9100	372	7	8619	353
		1956	85	9318	4.2	387	10	9669	395	10	10098	414
		1957	85	8787	4.2	364	8	10560	448			
		1958	59	8579	4.1	350	14	9727	387	13	9390	399
		1959	105	9338	4.2	396	69	10136	411	68	9302	406
		1960	48	9368	4.1	388	42	9413	388	34	9882	398
	GUERNSEY	1952	3	7400	5.8	424						
		1953	20	7796	5.1	399						
		1954	58	7736	5.2	401	2	7925	403			
		1955	56	7447	5.1	375	2	7705	373	3	8865	416
		1956	46	7759	4.9	382				3	7030	347
		1957	34	7980	4.9	387						
		1958	12	7526	5.0	374						
		1959	7	7477	4.6	347	4	8110	398	4	9524	474
	HOLSTEIN	1960	3	8040	4.8	383	2	9035	447	1	9548	470
		1951	1	11470	4.2	480						
		1952	12	15003	3.6	541	1	14420	510			
		1953	72	12260	3.6	443	1	10890	409	1	11914	436
		1954	274	12234	3.6	439	14	13349	494	8	10833	417
		1955	396	12042	3.6	432	23	13487	495	22	11583	429
		1956	431	12401	3.7	453	36	13289	479	35	12380	450
		1957	400	11703	3.7	431	47	12263	456	9	13517	505
	JERSEY	1958	364	11881	3.7	438	118	12237	456	141	11814	439
		1959	453	12080	3.7	453	323	12120	456	310	11761	442
		1960	88	12190	3.7	451	69	11880	445	59	11953	442
		1951	6	9722	5.0	486	2	8200	498			
		1952	10	7507	5.3	395	2	8560	474			
		1953	16	6970	5.5	379	3	9363	496	2	10355	538
		1954	41	7774	5.2	402	14	8284	431	13	8324	429
		1955	38	8051	5.3	423	11	8014	423	11	7802	410
	BROWN SWISS	1956	34	7887	5.2	406	12	8660	437	13	8144	413
		1957	28	7230	5.2	374	9	8912	463	6	9078	455
		1958	37	7354	5.5	400	13	7812	413	7	7812	385
		1959	35	7302	5.3	382	25	7073	364	18	7500	387
		1960	11	5957	5.1	314	8	7256	379	7	7124	378
		1952	1	13000	4.4	573						
		1953	3	7550	4.4	327						
		1954	20	10872	4.3	464	1	10310	418			
	M. SHORTHORN	1955	20	10762	4.1	448	1	10610	428	2	10453	443
		1956	34	10570	4.2	443	2	11695	519	2	10889	440
		1957	37	10108	4.2	424	4	8850	347			
		1958	32	9449	4.2	392	5	9968	411	7	10153	436
		1959	62	9292	4.4	403	36	10033	419	45	9648	403
		1960	13	10175	4.2	426	9	10354	431	9	9742	403
		1954	7	7010	4.1	288						
		1955	8	7744	3.9	307	2	8350	326	2	5826	231
	ALL BREEDS	1956	11	7465	4.0	297	2	8525	327	3	7096	278
		1957	10	7246	4.0	285	3	7533	278	1	7368	282
		1958	5	7564	3.6	273	1	8250	282	2	6786	281
		1959	17	7812	3.9	308	14	7354	286	14	8047	303
		1960	10	8263	3.8	313	10	7941	305	8	8682	325
		1951	7	9971	4.9	485	2	8200	498			
		1952	26	11166	4.6	472	3	10513	486			
		1953	136	10336	4.2	417	7	9220	429	5	9621	440
		1954	478	10729	4.1	423	39	10228	440	25	9255	417
		1955	618	10823	3.9	418	47	10934	443	47	9790	404
		1956	641	11238	3.9	433	62	11604	454	66	10671	425
		1957	594	10687	3.9	413	71	11267	442	16	11468	472
		1958	509	10871	3.9	419	151	11522	443	170	11336	432
		1959	679	11001	4.0	431	471	11226	436	459	10890	427
		1960	173	10560	4.0	416	140	10456	413	118	10659	415

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE	MILK LB.	FAT LB.
							RECORDS NO.	MILK LB.	FAT LB.			
001	GUERNSEY	1947	2	7210	5.1	367						
		1948	5	7164	5.0	356						
		1949	12	7298	4.8	348	1	10700	529			
		1950	26	7577	4.9	368	11	8632	427			
		1951	42	7544	4.7	354	24	8257	399			
		1952	62	7719	4.8	367	51	8646	402			
		1953	87	7799	4.8	369	78	8572	384	71	8420	385
		1954	130	7749	4.8	368	120	8659	390	112	8540	388
		1955	120	7537	4.8	356	114	8358	376	111	8825	396
		1956	103	7385	4.7	348	97	8319	377	92	8109	367
		1957	46	8024	4.6	372	41	8431	386	37	8015	368
		1958	15	6881	4.8	328	13	8015	366	11	8721	412
		1959	18	8302	4.6	376	15	7881	376	15	8282	393
		1960	3	8220	4.9	403	2	8765	422	3	8375	422
	HOLSTEIN	1948	2	9690	3.8	371						
		1949	8	11820	3.7	441	3	11153	419			
		1950	19	10686	3.8	406	3	13640	487			
		1951	32	11315	3.8	426	15	12597	468			
		1952	64	11815	3.7	436	45	12198	461			
		1953	93	12025	3.7	446	82	11376	439	78	11363	441
		1954	117	11573	3.7	426	109	11180	435	96	11581	447
		1955	118	11416	3.7	419	114	10861	417	109	10945	420
		1956	121	11038	3.8	423	119	10987	433	106	10871	420
		1957	79	11532	3.8	438	73	11217	437	71	10746	422
		1958	42	12068	3.8	455	52	11662	442	31	12147	466
		1959	49	11738	3.7	436	49	11862	454	47	12140	461
		1960	5	12826	3.8	487	5	12322	447	5	13010	479
	JERSEY	1948	5	6992	5.2	364						
		1949	16	6454	5.4	346	5	7708	412			
		1950	49	7432	5.1	374	18	7854	419			
		1951	55	7258	5.1	370	34	7330	381			
		1952	76	7253	5.1	366	60	7224	377			
		1953	90	7089	5.2	367	72	7129	368	39	7169	368
		1954	78	7007	5.2	360	69	7122	377	69	7195	378
		1955	52	6993	5.3	371	46	6966	370	46	7249	384
		1956	36	7209	5.2	371	28	7469	398	28	7395	396
		1957	20	7500	5.1	383	18	7937	421	7	6960	365
		1958	25	7276	5.1	373	18	7929	417	21	7888	418
		1959	7	7803	5.0	393	7	7763	409	7	8047	426
		1960	5	6988	5.0	346	4	7465	415	5	8123	436
	ALL BREEDS	1947	2	7210	5.1	367						
		1948	12	7513	4.9	362						
		1949	36	7928	4.8	368	9	9189	428			
		1950	94	8130	4.8	379	32	8664	428			
		1951	129	8358	4.7	379	73	8717	405			
		1952	202	8841	4.5	389	156	9124	409			
		1953	270	9018	4.5	395	232	9115	398	188	9381	405
		1954	325	8947	4.5	387	298	9225	403	277	9259	406
		1955	290	9018	4.4	385	274	9165	392	266	9421	403
		1956	260	9061	4.4	386	244	9523	407	226	9316	395
		1957	145	9863	4.3	410	132	9904	419	115	9637	401
		1958	82	9658	4.4	407	63	9843	419	63	10129	441
		1959	74	10530	4.0	417	71	10617	433	69	10886	443
		1960	13	9518	4.5	413	11	9909	431	13	10061	449
	002 GUERNSEY	1947	39	7970	4.9	389	2	7385	387			
		1948	18	7706	5.0	382	2	8990	421			
		1949	18	8036	5.0	401	3	10457	435			
		1950	13	7462	5.1	375	2	9475	365			
		1951	9	8028	5.0	397	4	9440	408			
		1952	9	7039	4.9	349	5	7852	360			
		1953	8	7653	4.6	352	5	8404	373	4	8033	371
		1954	3	8107	4.9	400	1	7390	359	1	8240	405
		1955	3	7970	4.6	370	2	7485	330	1	8197	419
		1956	1	7520	4.6	343	1	8480	405	1	6682	329
		1957	1	9250	4.4	404	1	7780	375	1	7881	391
	HOLSTEIN	1947	36	12036	3.5	424	3	15857	534			
		1948	4	12523	3.4	423	3	14040	493			
		1949	11	11011	3.5	382	4	14023	502			
		1950	30	11883	3.5	408	16	12448	458			
		1951	20	11537	3.5	408	10	11628	430			
		1952	21	12197	3.5	430	13	12835	466			
		1953	17	11864	3.6	426	13	12612	456	9	12776	472
		1954	12	11823	3.3	391	11	12263	440	9	11549	415
		1955	8	11329	3.4	387	8	10796	394	6	11530	424
		1956	6	14050	3.5	489	6	11440	438	6	11338	430
		1957	6	11788	3.5	411	6	10418	394	4	10284	399
		1958	6	10215	3.4	348	5	12800	456	5	12731	465
		1959	1	14180	3.4	482	1	11810	447	1	11260	432
		1960	1	11520	3.4	389				1	13472	522

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIKLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.			RECORDS NO.	MILK LB.	FAT LB.
	JERSEY	1947	12	8440	5.0	416							
		1948	4	8380	4.9	410							
		1949	3	7877	4.9	378							
		1950	2	8870	4.8	423							
		1952	1	7710	5.6	435	1	7310	385				
		1954	1	5490	5.1	283	1	7430	388	1	7630	408	
	ALL BREEDS	1947	87	9717	4.4	407	5	12468	475				
		1948	26	8550	4.7	393	5	12020	464				
		1949	32	9043	4.5	392	7	12494	473				
		1950	45	10472	4.0	399	16	12117	448				
		1951	29	10448	4.0	405	14	11003	424				
		1952	31	10555	4.0	406	19	11233	434				
		1953	25	10516	3.9	402	18	11443	433	13	11317	441	
		1954	16	10730	3.7	386	13	11516	430	11	10892	414	
		1955	11	10413	3.7	382	10	10134	381	7	11054	423	
		1956	7	13117	3.6	468	7	11017	433	7	10673	416	
		1957	7	11426	3.6	410	7	10041	391	5	9804	397	
		1958	6	10215	3.4	348	5	12800	456	5	12731	465	
		1959	1	14180	3.4	482	1	11810	447	1	11260	432	
		1960	1	11520	3.4	389				1	13472	522	

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE			
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.	
001	AYRSHIRE	1949	7	8839	4.1	361							
		1950	47	9285	4.1	378	16	10386	433				
		1951	75	8715	4.1	359	38	9313	379				
		1952	149	8674	4.1	357	83	9216	373				
		1953	170	8650	4.1	356	136	9122	367	105	8972	362	
		1954	231	8825	4.1	365	190	9356	377	175	9104	365	
		1955	232	8419	4.1	349	201	8874	360	175	9383	377	
		1956	221	8599	4.1	355	190	8996	367	162	9296	372	
		1957	146	9036	4.1	374	129	9490	388	106	9850	399	
		1958	113	8938	4.1	367	93	9807	395	65	9690	398	
		1959	77	9019	4.0	363	72	9336	381	67	9491	388	
		1960	18	8325	4.2	347	17	9133	368	15	9790	402	
		GUERNSEY	1947	1	8180	4.9	400						
			1948	6	9527	4.6	434	1	11050	539			
			1949	24	9354	4.8	443	10	9706	454			
			1950	60	8689	4.9	420	27	9605	454			
	1951		109	7925	4.8	381	56	8702	407				
	1952		205	7914	4.9	384	121	8796	403				
	1953		330	7956	4.9	386	253	8803	396	234	8576	393	
	1954		435	7972	4.9	392	361	8720	397	326	8753	399	
	1955		427	7903	5.0	389	380	8730	397	345	8820	403	
	1956		307	8025	4.9	392	257	9004	408	245	9000	411	
	1957		221	8298	4.9	402	187	9136	416	164	8972	412	
	1958		139	8398	4.8	403	106	9203	410	97	9546	430	
	1959		78	8032	4.8	387	69	8555	395	53	9040	421	
	1960		10	7655	4.6	352	8	7935	386	7	8219	403	
	HOLSTEIN	1947	4	10870	4.0	436							
		1948	4	12910	3.8	489							
		1949	57	11807	3.8	448	16	12168	452				
		1950	110	11099	3.8	419	40	11908	457				
		1951	239	11393	3.7	426	133	11327	428				
		1952	460	11109	3.8	415	277	11079	416				
		1953	674	11333	3.8	425	456	11105	418	400	10719	406	
		1954	821	11317	3.8	425	606	10947	417	537	10774	409	
		1955	987	11209	3.8	421	821	10876	414	745	10917	416	
		1956	810	11668	3.8	438	676	11433	431	609	11249	429	
		1957	600	11943	3.7	444	511	11739	444	443	11462	438	
		1958	691	11691	3.8	438	556	11843	449	457	12120	454	
		1959	931	12022	3.8	452	899	12131	454	823	12344	464	
		1960	187	11587	3.8	436	174	12065	453	122	12307	462	
JERSEY	1949	8	7953	5.0	398	1	8450	422					
	1950	30	7278	5.3	385	5	8826	459					
	1951	65	7798	5.3	407	22	7991	412					
	1952	109	7482										

002	AYRSHIRE	1955	1	9030	4.0	363
		1956	3	8553	4.2	348
		1957	5			

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AV. FAT LB.
		1958	11	9487	4.2	393	7	9549	395	6	10010	409
		1959	68	10363	4.1	423	67	9761	400	50	10009	414
		1960	27	9987	4.3	425	25	9230	387	18	9847	422
GUERNSEY		1950	1	6270	5.2	326						
		1951	9	7130	5.0	357						
		1952	17	7625	5.0	380	1	9420	445			
		1953	20	7817	5.0	387	3	8447	401	1	9156	451
		1954	21	8089	5.0	400	4	8635	398	2	7783	378
		1955	17	8365	4.9	409	2	8610	415	2	8382	407
		1956	15	7609	4.8	367	3	7733	369	4	8404	405
		1957	13	8075	4.8	361	10	8862	395	10	9375	429
		1958	23	8650	4.9	420	20	9602	428	19	10045	450
		1959	18	7596	5.0	379	18	9462	410	17	9871	428
		1960	1	3390	5.0	170	1	3910	167	1	9265	419
HOLSTEIN		1947	1	12890	4.9	634						
		1948	3	14830	4.2	627						
		1949	3	14253	4.1	587						
		1950	4	15648	4.2	659						
		1951	9	13042	3.8	498						
		1952	42	11543	3.8	433	28	11641	428			
		1953	155	11402	3.7	418	120	11234	421	103	10431	398
		1954	295	11424	3.7	420	247	11163	422	214	10769	408
		1955	509	11502	3.7	428	450	11139	422	413	11336	429
		1956	708	11706	3.7	435	643	11642	436	555	11577	438
		1957	807	11913	3.7	443	751	11835	443	646	11738	442
		1958	914	11874	3.7	443	730	11728	441	642	11889	446
		1959	1053	12230	3.7	457	1035	12010	451	913	12265	462
		1960	196	11970	3.7	445	179	12185	456	143	12298	463
JERSEY		1952	3	7157	5.7	404						
		1953	6	6598	5.5	366						
		1954	8	7778	5.4	409						
		1955	16	8270	5.1	417	2	8265	416	2	7636	374
		1956	15	8168	5.1	414	6	8917	443	6	8148	404
		1957	6	8975	4.9	436	1	8950	420	1	8295	403
		1958	43	7609	5.0	384	20	7619	396	26	8407	434
		1959	96	7533	5.1	379	63	7719	398	59	8158	420
		1960	23	8544	5.1	440	18	7941	399	9	8047	409
BROWN SWISS		1955	1	7760	4.4	339						
		1956	16	9834	4.2	413	3	11437	478	2	11243	479
		1957	20	10696	4.2	447	3	8343	341	3	9243	382
		1958	37	10716	4.2	445	8	9509	379	8	9604	400
		1959	39	10638	4.2	448	16	10307	422	19	10232	430
		1960	8	10080	4.0	407	4	9673	390	5	10242	425
ALL BREEDS		1947	1	12890	4.9	634						
		1948	3	14830	4.2	627						
		1949	3	14253	4.1	587						
		1950	5	13772	4.4	592						
		1951	18	10086	4.4	428						
		1952	62	10256	4.2	417	29	11564	429			
		1953	181	10846	3.9	413	123	11166	420	104	10419	399
		1954	324	11118	3.8	419	251	11122	422	216	10742	408
		1955	544	11298	3.8	426	454	11115	421	417	11304	429
		1956	757	11502	3.8	432	655	11599	436	567	11517	437
		1957	851	11792	3.8	441	765	11778	442	660	11685	442
		1958	1028	11556	3.8	440	785	11527	439	701	11668	445
		1959	1274	11662	3.9	448	1199	11598	444	1066	11841	456
		1960	255	11358	3.9	440	227	11442	442	176	11754	455

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE			
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AVERAGE FAT LB.	
000	GUERNSEY	1947	30	7473	4.9	364							
		1948	4	8735	4.8	415							
		1949	3	7707	4.6	362							
		1950	3	8233	4.9	407							
		1951	3	6683	4.7	316							
		1952	1	5440	4.4	239							
	HOLSTEIN	1947	9	8577	3.6	314							
		1948	3	8017	3.6	286							
		1949	2	6605	3.4	224							
		1950	1	9530	4.1	391							
	ALL BREEDS	1947	39	7728	4.6	352							
		1948	7	8427	4.2	360							
		1949	5	7266	4.1	307							
		1950	4	8558	4.7	403							
		1951	3	6683	4.7	316							
1952		1	5440	4.4	239								
001	GUERNSEY	1950	4	7273	4.9	354							
		1951	14	7186	4.9	348							
		1952	45	7696	4.9	376							
		1953	120	7364	5.0	370	1	9250	394		1	9657	428
		1954	153	7483	5.0	371	6	7462	390	5	7824	376	
		1955	175	7599	5.1	383	20	8504	405	15	9103	390	
		1956	137	7718	4.9	379	37	7815	387	26	8427	394	
		1957	111	8018	5.0	398	28	8306	399	33	8725	413	
		1958	106	8407	4.9	410	34	8670	425	45	9469	430	
		1959	47	8385	4.9	408	46	9242	423	36	9000	423	
		1960	13	8369	4.6	382	41	8955	418	11	8971	408	
							13	9085	401				
	HOLSTEIN	1951	13	10445	3.9	412							
		1952	60	10979	3.8	417	6	11007	402				
		1953	214	11389	3.7	419	17	12948	475	2	11271	390	
		1954	324	11751	3.7	430	48	12999	481	13	11323	416	
		1955	577	11862	3.8	446	85	12664	475	39	10507	396	
		1956	792	12389	3.7	462	122	13299	497	136	12280	463	
		1957	726	12329	3.8	464	173	13095	493	180	12661	479	
		1958	941	12455	3.7	464	476	12551	472	453	12395	468	
		1959	1269	12989	3.7	478	1231	12680	474	1059	12582	474	
		1960	281	12977	3.7	478	250	13164	487	224	13250	496	
	JERSEY	1952	9	8384	5.4	446	1	9400	477				
		1953	26	6763	5.3	355	3	6800	355				
		1954	37	7654	5.4	414	4	8585	429		1	6344	317
		1955	28	7473	5.2	387	4	8918	437	1	7390	371	
		1956	34	7726	5.3	404	2	9300	493	3	8466	445	
		1957	31	8147	5.2	424	2	8700	437	3	9563	495	
		1958	50	8210	5.1	413	10	8760	428	11	8452	437	
		1959	83	8015	5.1	412	47	8384	426	37	8647	442	
1960		30	7630	5.1	387	17	8462	431	24	8611	432		
ALL BREEDS	1950	4	7273	4.9	354								
	1951	27	8755	4.4	378								
	1952	114	9478	4.4	403								
	1953	360	9713	4.3	398	8	10586	411					
	1954	514	10186	4.2	411	26	10973	441	3	10733	403		
	1955	780	10748	4.1	430	72	11505	457	19	10140	400		
	1956	963	11560	4.0	448	126	11121	448	55	10067	394		
	1957	868	11628	4.0	454	152	12327	479	165	11604	452		
	1958	1097	11870	3.9	456	209	12333	481	216	12017	469		
	1959	1399	12539	3.8	471	532	12194	467	509	12051	464		
	1960	324	12297	3.8	466	1319	12411	470	1132	12340	472		
						286	12689	479	259	12638	486		
002	GUERNSEY	1950	1	8190	4.4	359							
		1951	2	7785	4.5	354							
		1952	4	6840	4.6	315	1	8080	412				
		1953	5	8394	4.6	380	1	8590	427	1	9276	479	
		1954	4	6673	4.5	298	2	8150	407	1	8753	444	
		1955	2	7975	4.8	381							
		1956	2	7285	5.1	375							
		1957	2	8905	4.8	431	1	10070	537	1	8142	426	
	HOLSTEIN	1951	4	12088	3.7	444							
		1952	2	11660	3.7	427							
		1953	3	10577	3.7	398							
		1954	3	10570	3.7	393							
		1955	1	8940	3.2	288							
		1956	1	15380	3.8	578				1	9690	420	
		1957	1	15530	3.6	563	1	10370	377	1	10911	420	
		1958	1	13970	3.6	505	1	11310	434	1	10028	383	
		ALL BREEDS	1950	1	8190	4.4	359						
	1951		6										

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.		RECORDS NO.	MILK LB.	FAT LB.
004		1952	6	8447	4.3	352	1	6080	412				
		1953	8	9213	4.3	387	1	8590	427		1	9276	479
		1954	7	8343	4.1	339	2	8150	407		1	8753	444
		1955	3	8297	4.2	350							
		1956	3	9983	4.7	442					1	9690	420
		1957	3	11113	4.4	475	2	10220	457		2	9527	423
		1958	1	13970	3.6	505	1	11310	434		1	10028	383
	GUERNSEY	1947	20	5916	5.1	304							
		1948	6	6272	5.1	323							
		1949	5	6956	5.1	356							
		1950	5	6696	5.0	338							
		1951	2	7005	5.1	351							
		1952	2	7340	5.2	372							
		1953	1	8030	4.6	370							
		1954	1	7600	3.9	300							
	HOLSTEIN	1947	10	9277	3.6	330							
		1948	2	9885	3.8	364							
		1949	2	10395	3.1	322							
		1950	4	8778	3.2	285							
		1951	1	10080	3.4	347							
		1952	1	12470	3.4	427							
005	ALL BREEDS	1947	30	7036	4.6	312							
		1948	8	7175	4.8	334							
		1949	7	7939	4.5	347							
		1950	9	7621	4.2	314							
		1951	3	8030	4.5	350							
		1952	3	9050	4.6	390							
		1953	1	8030	4.6	370							
		1954	1	7600	3.9	300							
	GUERNSEY	1950	2	9070	5.5	482							
		1951	2	4930	5.5	265							
		1952	1	10430	4.7	489							
		1953	1	9000	4.5	405							
		1955	1	8600	5.9	503							
		1957	1	10300	5.3	542							
		1958	1	8840	5.0	446							
		1950	2	10970	3.8	411							
		1951	5	11530	3.6	415							
		1952	2	12475	3.2	395							
006	HOLSTEIN	1953	4	10543	3.5	360	1	10400	344				
		1954	3	8607	3.5	304							
		1955	4	11265	3.5	389							
		1956	4	13525	3.5	462	1	13100	432		1	11565	386
		1957	3	13703	3.3	447	1	11670	398		1	14497	479
		1958	1	9960	3.3	330							
	ALL BREEDS	1950	4	10020	4.6	446							
		1951	7	9644	4.2	372							
		1952	3	11793	3.7	426							
		1953	5	10234	3.7	369	1	10400	344				
		1954	3	8607	3.5	304							
		1955	5	10732	4.0	412							
		1956	4	13525	3.5	462	1	13100	432		1	11565	386
		1957	4	12853	3.8	471	1	11670	398		1	14497	479
		1958	2	9400	4.2	388							
	GUERNSEY	1950	4	5900	5.4	318							
		1951	5	7284	4.8	355							
		1952	3	8880	5.0	444							
		1953	5	8062	5.2	423	1	9320	473				
		1954	7	6981	4.9	343							
		1955	10	7314	5.1	369							
		1956	19	7473	5.1	379	5	8996	405		3	8778	367
		1957	8	8919	5.2	457	4	9468	456		2	9407	465
		1958	8	8093	5.4	433	3	8973	409		4	8546	414
		1959	3	9440	4.9	465	3	8603	366		3	9752	427
006	HOLSTEIN	1947	1	12970	4.2	545							
		1949	3	13390	3.3	442							
		1950	13	11221	3.5	389	2	14230	484				
		1951	16	12116	3.6	434	1	14420	509				
		1952	34	12668	3.6	457	5	11842	415				
		1953	31	12885	3.6	461	7	12093	427		2	10388	397
		1954	33	12547	3.7	459	12	10871	429		3	10722	388
		1955	23	12986	3.7	475	11	12361	459		6	10896	392
		1956	21	14047	3.7	524	10	12747	486		9	12940	487
		1957	13	12844	3.7	473	7	12926	475		7	12599	467
		1958	6	14728	3.8	551	5	12504	460		5	13050	474
		1959	8	12181	3.5	429	8	12113	445		5	12036	435
		1960	1	12390	3.1	386	1	13300	440		1	12917	434

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY RECORDS NO.	MILK LB.	AV. FAT LB.	YEARLY HERD AVERAGE RECORDS NO.	MILK LB.	FAT LB.
	JERSEY	1951	6	7555	5.7	427						
		1952	14	7776	5.5	428						
		1953	13	8669	5.7	487						
		1954	16	7529	5.7	421						
		1955	10	7619	5.7	433						
		1956	6	7820	5.3	413						
		1957	4	9128	5.1	460						
		1958	2	10110	5.4	551						
	ALL BREEDS	1947	1	12970	4.2	545						
		1949	3	13390	3.3	442						
		1950	17	9969	3.9	372	2	14230	484			
		1951	27	10207	4.3	418	1	14420	509			
		1952	51	11102	4.2	448	5	11642	415			
		1953	49	11275	4.3	464	8	11746	433	2	10388	397
		1954	56	10418	4.4	434	12	10871	429	3	10722	386
		1955	43	10419	4.4	441	11	12361	459	6	10896	392
		1956	46	10519	4.5	450	15	11497	459	12	11899	457
		1957	25	10993	4.4	466	11	11668	468	9	11890	467
		1958	16	10833	4.8	492	8	11180	441	9	11048	447
		1959	11	11434	3.9	439	11	11155	423	6	11179	432
		1960	1	12390	3.1	386	1	13300	440	1	12917	434
007	GUERNSEY	1950	3	7140	4.5	323						
		1951	11	6483	4.7	303						
		1952	7	7570	4.8	365						
		1953	7	7333	4.9	356						
		1954	2	5965	5.1	303						
		1955	5	6752	4.8	317	1	4200	273	1	7706	336
		1956	2	7090	5.1	357						
	HOLSTEIN	1950	2	9230	3.3	299						
		1951	3	12983	3.4	439						
		1952	3	10580	3.6	381						
		1953	6	9723	3.5	344						
		1954	2	10270	3.7	375						
	ALL BREEDS	1950	5	7976	4.0	313						
		1951	14	7876	4.4	333						
		1952	10	8473	4.4	369						
		1953	13	8436	4.2	350						
		1954	4	8118	4.4	339						
		1955	5	6752	4.8	317	1	4200	273	1	7706	336
		1956	2	7090	5.1	357						
008	GUERNSEY	1947	8	9716	4.8	462						
		1948	4	8923	4.7	415						
		1949	12	9766	4.6	452						
		1950	13	9872	4.5	444	2	8050	374			
		1951	15	9235	4.5	416	3	7947	371			
		1952	23	8352	4.6	382	2	8495	374			
		1953	32	7623	4.6	356	4	9440	425			
		1954	30	7962	4.8	374	6	8497	417	2	7816	379
		1955	16	8086	4.8	388	5	8980	456	3	9370	421
		1956	16	8690	4.6	393	3	8387	416	3	8804	420
		1957	10	8839	4.2	373	2	9140	428	3	8128	397
		1958	14	8390	4.5	374	5	9496	432	4	9200	428
		1959	1	8910	4.1	369						
	HOLSTEIN	1950	4	10500	3.9	413						
		1951	6	10522	4.1	430						
		1952	20	12008	3.8	460						
		1953	41	12258	3.7	449	1	13680	500			
		1954	36	11782	3.7	435	1	14620	531			
		1955	21	11028	3.7	468						
		1956	16	12243	3.7	448	1	13740	520			
		1957	10	12508	3.7	454	3	13583	505	2	12524	466
		1958	10	11800	3.6	414	5	12646	468	5	11641	435
		1959	5	12214	3.8	457	3	9817	392	2	8922	349
	ALL BREEDS	1947	8	9716	4.8	462						
		1948	4	8923	4.7	415						
		1949	12	9766	4.6	452						
		1950	17	10020	4.4	437	2	8050	374			
		1951	21	9603	4.4	420	3	7947	371			
		1952	43	10052	4.2	418	2	8495	374			
		1953	73	10226	4.1	408	5	10288	440			
		1954	66	10046	4.2	407	7	9371	433	2	7816	379
		1955	37	9756	4.2	399	5	8980	456	3	9370	421
		1956	32	10466	4.1	420	4	9725	442	3	8804	420
		1957	20	10674	3.9	413	5	11806	474	5	9886	424
		1958	24	9811	4.1	390	10	11071	450	9	10556	432
		1959	6	11663	3.8	442	3	9817	392	2	8922	349

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
009	HOLSTEIN	1951	1	11150	3.3	366						
		1952	3	8947	3.7	332						
		1953	2	8170	3.8	302						
		1954	2	8695	4.1	346						
		1955	2	9815	3.6	346						
		1956	2	10165	3.7	364						
	ALL BREEDS	1951	1	11150	3.3	366						
		1952	3	8947	3.7	332						
		1953	2	8170	3.8	302						
		1954	2	8695	4.1	346						
		1955	2	9815	3.6	346						
		1956	2	10165	3.7	364						
010	GUERNSEY	1952	1	9710	4.4	431						
010	HOLSTEIN	1951	1	13510	3.6	488						
		1952	1	14330	3.5	501						
		1953	1	14410	3.5	509						
		1954	1	16130	3.3	539						
	ALL BREEDS	1951	1	13510	3.6	488						
		1952	2	12020	4.0	466						
		1953	1	14410	3.5	509						
		1954	1	16130	3.3	539						

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY		AV. FAT LB.	YEARLY RECORDS NO.	HERD AVERAGE	
							RECORDS NO.	MILK LB.			MILK LB.	FAT LB.
003	JERSEY	1950	1	7680	5.2	401						
		1951	2	8270	5.6	465						
		1952	2	8475	6.1	513	1	8230	402			
		1953	3	8667	5.5	480	1	10610	488			
		1954	4	8378	5.1	426	2	8775	461	1	9069	470
		1955	1	7830	5.4	422						
		1956	2	7520	4.7	360	2	8680	429	1	7379	343
		1957	1	7450	5.1	378	1	8950	462			
		1959	1	8250	4.4	363	1	5320	263	1	5624	283
	ALL BREEDS	1950	1	7680	5.2	401						
		1951	2	8270	5.6	465						
		1952	2	8475	6.1	513	1	8230	402			
		1953	3	8667	5.5	480	1	10610	488			
		1954	4	8378	5.1	426	2	8775	461	1	9069	470
		1955	1	7830	5.4	422						
		1956	2	7520	4.7	360	2	8680	429	1	7379	343
1957		1	7450	5.1	378	1	8950	462				
1959		1	8250	4.4	363	1	5320	263	1	5624	283	

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
001	AYRSHIRE	1948	3	8750	4.3	373						
		1949	9	8620	4.5	377						
		1950	14	7794	4.3	330						
		1951	15	6704	4.2	279						
		1952	8	6458	4.2	277						
		1953	13	7636	4.2	323	2	7010	280	1	7292	306
		1954	15	7486	4.3	319	5	8102	308	5	7641	295
		1955	28	8561	4.3	371	2	8350	349	2	9549	390
		1956	34	8788	4.2	369	3	8953	371	3	9719	401
		1957	17	9306	4.1	362	4	8755	360	4	8134	326
		1958	8	8025	4.1	328	5	8640	353	5	9463	391
		1959	4	9848	4.0	391	4	10533	427	3	9160	364
		1960	4	7688	3.6	276	2	7685	298	1	5537	228
	GUERNSEY	1949	10	7117	4.9	344						
		1950	28	6698	4.9	323						
		1951	46	6804	5.0	342	12	8713	378			
		1952	87	6855	5.0	339	22	8442	372			
		1953	78	6898	4.9	336	31	8106	361	22	7969	368
		1954	75	7582	4.8	365	29	8401	376	23	8328	372
		1955	49	8025	4.8	385	24	8846	390	23	8452	377
		1956	41	7917	4.8	380	20	8647	404	22	8785	408
		1957	26	8125	4.7	378	13	8372	383	13	8779	398
		1958	11	7926	4.7	373	6	9118	424	2	9025	443
		1959	11	7480	4.7	352	9	7509	354	10	7917	373
		1960	1	6010	4.5	273	1	7100	346	1	7859	382
	HOLSTEIN	1948	1	9650	4.1	394						
		1949	18	11107	3.7	408						
		1950	38	10596	3.7	392	1	11640	412			
		1951	73	11041	3.7	403	6	12790	492			
		1952	107	10917	3.6	399	7	11526	448			
		1953	163	10667	3.7	395	24	11662	442	17	11381	435
		1954	215	11383	3.7	419	43	11651	440	33	11074	422
		1955	229	11425	3.6	416	52	12053	457	54	11004	416
		1956	232	10976	3.6	396	58	11248	431	59	10774	416
		1957	221	10987	3.6	395	69	11387	427	67	10493	393
		1958	162	11281	3.6	406	94	11421	425	86	11172	422
		1959	163	11557	3.5	407	155	11041	408	127	11121	414
		1960	15	12593	3.4	423	13	11248	410	9	10801	401
	JERSEY	1948	8	6524	5.3	343	3	6317	339			
		1949	26	7427	5.3	389	8	7263	385			
		1950	25	6315	5.3	332	3	7200	377			
		1951	39	6635	5.3	353	1	6470	390			
		1952	39	6909	5.3	367						
		1953	57	6764	5.3	355	1	5650	313			
		1954	57	6814	5.4	363	2	8350	447			
		1955	42	7058	5.4	376	1	6850	293	2	7184	371
		1956	30	6955	5.4	376	1	7780	416	1	6595	373
		1957	20	6810	5.4	363	4	7840	362	4	7251	340
		1958	27	7416	5.1	378	12	7023	365	12	7429	389
		1959	17	5978	5.2	310	15	6586	329	14	6885	348
		1960	2	5820	5.4	307	2	6195	305	1	7129	353
	ALL BREEDS	1948	12	7341	4.9	355	3	6317	339			
		1949	63	8600	4.6	386	8	7263	385			
		1950	105	8163	4.5	351	4	8310	386			
		1951	173	8545	4.4	365	19	9883	415			
		1952	241	8654	4.4	368	29	9187	390			
		1953	311	8880	4.3	370	58	9497	391	40	9402	395
		1954	362	9715	4.2	395	79	10150	409	61	9757	392
		1955	348	10188	4.1	403	79	10919	432	81	10149	405
		1956	337	10025	4.0	390	82	10487	422	85	10173	413
		1957	284	10330	3.8	390	90	10677	414	88	9985	388
		1958	208	10477	3.9	392	117	10733	416	105	10622	417
		1959	195	10605	3.8	397	183	10491	399	154	10490	405
		1960	22	10786	3.6	379	18	10061	383	12	9811	381

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECOROS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE				
							RECOROS NO.	MILK LB.	AV. FAT LB.	RECORUS NO.	MILK LB.	AVERAGE FAT LB.		
001	HOLSTEIN	1950	8	12953	3.9	500								
		1951	35	13488	3.8	507								
		1952	61	13607	3.7	508								
		1953	74	13509	3.7	499	13	12817	471					
		1954	103	13468	3.7	497	24	12709	451	16	11906	417		
		1955	99	13431	3.7	493	55	12918	455	51	12429	443		
		1956	111	13289	3.6	482	69	12687	456	67	12676	454		
		1957	112	13502	3.6	488	91	13016	474	78	12110	440		
		1958	123	13503	3.7	493	100	13292	477	92	12516	453		
		1959	309	13240	3.8	495	103	12885	488	75	13320	479		
		1960	50	14023	3.8	525	297	13344	519	282	13556	501		
							47	14028	555	49	13877	514		
		ALL BREEOS	1950	8	12953	3.9	500							
			1951	35	13488	3.8	507							
			1952	61	13607	3.7	508	13	12817	471				
			1953	74	13509	3.7	499	24	12709	451	16	11906	417	
	1954		103	13468	3.7	497	55	12918	455	51	12429	443		
	1955		99	13431	3.7	493	69	12687	456	67	12676	454		
	1956		111	13289	3.6	482	91	13016	474	78	12110	440		
	1957		112	13502	3.6	488	100	13292	477	92	12516	453		
	1958		123	13503	3.7	493	103	12885	488	75	13320	479		
	1959		309	13240	3.8	495	297	13344	519	282	13556	501		
	1960		50	14023	3.8	525	47	14028	555	49	13877	514		
	002		HOLSTEIN	1950	10	8909	3.5	311						
				1951	8	11859	3.5	416						
				1952	15	11260	3.4	384	4	10910	381			
				1953	30	12051	3.5	425	10	12446	433	8	10296	376
				1954	88	12185	3.6	432	58	13146	464	57	12512	441
		1955		98	12002	3.6	428	83	13149	463	79	13166	467	
		1956		69	13426	3.5	469	63	13530	476	49	12913	453	
		1957		66	13161	3.5	460	59	14028	496	53	12983	455	
		1958		52	13939	3.6	496	45	12474	478	32	14171	503	
1959		58		13905	3.6	501	56	13498	515	53	13553	498		
1960		6		14850	3.6	532	6	14388	585	6	14334	526		
ALL BREEOS		1950		10	8909	3.5	311							
		1951		8	11859	3.5	416							
		1952		15	11260	3.4	384	4	10910	381				
		1953		30	12051	3.5	425	10	12446	433	8	10296	376	
		1954		88	12185	3.6	432	58	13146	464	57	12512	441	
		1955	98	12002	3.6	428	83	13149	463	79	13166	467		
		1956	69	13426	3.5	469	63	13530	476	49	12913	453		
		1957	66	13161	3.5	460	59	14028	496	53	12983	455		
		1958	52	13939	3.6	496	45	12474	478	32	14171	503		
		1959	58	13905	3.6	501	56	13498	515	53	13553	498		
		1960	6	14850	3.6	532	6	14388	585	6	14334	526		
		003	HOLSTEIN	1948	19	11827	3.5	418	5	13118	440			
				1949	73	11404	3.6	412	24	11820	418			
				1950	123	11202	3.7	408	51	12115	435			
				1951	103	11287	3.6	411	61	11662	418			
				1952	101	11273	3.7	412	73	11556	419			
1953				77	11252	3.6	410	63	11431	412	51	11489	412	
1954				61	10949	3.6	395	51	11345	415	35	11617	424	
1955				41	11641	3.6	416	37	11325	411	33	11296	417	
1956				22	12105	3.6	432	20	11512	416	15	10699	380	
1957				10	12843	3.7	474	6	12830	449	5	12387	448	
1958	5			10526	3.6	381	4	10283	467	2	10039	375		
1959	2			11370	3.8	433	2	12380	464	2	11461	433		
1960	1			10550	3.3	343	1	10010	351					
JERSEY	1950			1	3960	6.7	265							
	1951			4	7850	5.9	457							
	1952			17	7658	5.2	394	2	7075	409				
	1953		46	7518	5.1	381	7	7497	395					
	1954		54	7998	5.0	396	25	7263	367	11	7492	368		
	1955		52	7909	5.1	396	23	7750	377	22	7480	364		
	1956		40	8035	5.0	404	25	7942	393	23	7473	374		
	1957		20	7815	5.0	389	15	8347	409	15	8008	394		
	1958		22	8193	4.8	393	6	8673	417	6	8408	394		
	1959		12	9023	4.7	422	7	8780	437	3	7270	356		
							9	8446	421	9	8391	420		
	ALL BREEOS		1948	19	11827	3.5	418	5	13118	440				
			1949	73	11404	3.6	412	24	11820	418				
			1950	124	11143	3.7	407	51	12115	435				
			1951	107	11158	3.7	413	63	11517	417				
			1952	118	10752	3.9	410	80	11201	417				
1953			123	9856	4.2	399	88	10247	399	62	10780	404		
1954			115	9563	4.2	395	74	10228	403	57	10020	401		
1955			93	9555	4.4	405	62	9960	404	56	9726	399		
1956		62	9479	4.5	414	35	10155	413	30	9353	387			
1957		30	9491	4.5	417	12	10752	433	11	10216	419			
1958		27												

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
		1959	14	9358	4.6	423	11	9161	429	11	8949	422
		1960	1	10550	3.3	343	1	10010	351			
004	GUERNSEY	1952	1	8350	5.1	430						
		1953	2	6025	5.5	312						
		1954	7	6311	5.1	322	5	7264	357	1	8022	407
		1955	9	6304	5.0	317	7	7769	379	7	7633	373
		1956	7	8863	5.0	445	6	8765	394	5	7310	351
		1957	8	8046	4.8	391	5	9208	456	3	8604	433
		1958	8	7861	5.0	396	6	9633	441	4	9859	440
		1959	10	7432	4.8	356	9	8129	390	9	9094	427
	HOLSTEIN	1952	4	11813	3.4	401	3	14230	499			
		1953	9	10637	3.5	374	6	12120	431	4	10164	379
		1954	27	10881	3.6	396	22	11069	410	22	10690	402
		1955	33	10494	3.6	381	32	10889	385	32	10838	394
		1956	24	11092	3.6	402	20	11834	419	21	10477	387
		1957	18	10546	3.7	383	17	10820	386	18	10422	382
		1958	26	10691	3.5	380	22	9956	380	15	10755	388
		1959	59	10961	3.6	390	58	10214	375	54	10592	380
		1960	3	10950	3.6	393	2	10290	384	2	9887	363
	ALL BREEDS	1952	5	11120	3.7	406	3	14230	499			
		1953	11	9798	3.9	362	6	12120	431	4	10164	379
		1954	34	9941	3.9	381	27	10380	400	23	10574	402
		1955	42	9596	3.9	367	39	10329	384	39	10263	390
		1956	31	10589	3.9	411	26	11125	413	26	9868	380
		1957	26	9777	4.0	385	22	10454	402	21	10163	389
		1958	34	10025	3.9	384	28	9887	393	19	10566	399
		1959	69	10449	3.7	385	67	9934	377	63	10378	387
		1960	3	10950	3.6	393	2	10290	384	2	9887	363
075	JERSEY	1951	4	7800	5.3	414						
		1952	7	7023	5.5	383	5	8250	396			
		1953	12	7866	5.4	425	6	8683	437	6	8340	445
		1954	19	7347	5.4	396	13	7809	392	9	7652	386
		1955	22	7668	5.4	410	14	7852	409	10	7443	386
		1956	38	7490	5.1	379	18	8169	420	12	7909	401
		1957	28	7234	5.2	377	16	7724	397	13	7968	412
		1958	24	8252	5.2	425	6	7842	390	5	7861	398
		1959	11	8055	5.4	429	5	9502	472	6	8666	435
		1960	2	7760	5.0	391	1	9670	398	1	10355	437
	ALL BREEDS	1951	4	7800	5.3	414						
		1952	7	7023	5.5	383	5	8250	396			
		1953	12	7866	5.4	425	6	8683	437	6	8340	445
		1954	19	7347	5.4	396	13	7809	392	9	7652	386
		1955	22	7668	5.4	410	14	7852	409	10	7443	386
		1956	38	7490	5.1	379	18	8169	420	12	7909	401
		1957	28	7234	5.2	377	16	7724	397	13	7968	412
		1958	24	8252	5.2	425	6	7842	390	5	7861	398
		1959	11	8055	5.4	429	5	9502	472	6	8666	435
		1960	2	7760	5.0	391	1	9670	398	1	10355	437

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
001	GUERNSEY	1950	1	6060	5.1	311						
		1951	16	8168	4.7	379	2	9035	367			
		1952	59	7662	4.6	353	3	8947	422			
		1953	70	7553	4.7	356	8	9386	430			
		1954	62	7364	4.8	350	20	8310	372	1	7390	349
		1955	42	7105	4.9	346	20	7827	357	12	6615	312
		1956	62	7144	4.7	335	37	8944	385	22	8431	361
		1957	29	7859	4.6	359	25	8945	385	18	8014	346
		1958	40	7905	4.5	352	26	8524	367	15	7969	345
		1959	36	7213	4.4	318	29	7767	339	18	7566	334
		1960	8	7376	4.3	319	8	7770	335	6	7439	327
	HOLSTEIN	1947	31	11088	3.9	428	2	13620	527			
		1948	19	11475	3.7	427						
		1949	29	10473	3.8	401	4	11408	475			
		1950	40	11173	3.7	411	9	12589	448			
		1951	60	11292	3.7	418	23	11340	418			
		1952	89	11652	3.8	441	31	11773	443			
		1953	100	12224	3.6	440	64	12068	442	21	10953	426
		1954	80	11288	3.7	415	50	11765	426	17	11175	428
		1955	110	11217	3.7	409	95	11163	412	33	10640	396
		1956	133	11091	3.6	403	126	10902	400	77	10197	382
		1957	63	10405	3.8	391	56	11157	422	26	9829	377
		1958	114	10549	3.6	301	88	10929	394	27	10628	391
		1959	204	11101	3.5	393	198	10759	381	114	10842	378
		1960	53	11303	3.4	390	52	11328	390	50	11216	381
	JERSEY	1950	6	7705	5.2	399						
		1951	6	6337	5.2	334						
		1952	6	4340	5.4	234						
		1953	7	6183	5.5	335						
		1954	3	5530	5.4	308						
		1955	2	6745	5.4	358						
		1956	2	4525	5.2	234						
		1957	3	5313	5.2	276						
		1958	3	8033	5.0	400						
		1959	15	7181	5.2	369	16	7821	383	5	8031	369
		1960	8	7503	5.0	376	6	8148	374	8	7531	375
	BROWN SWISS	1950	1	11370	3.9	442						
		1951	7	13139	3.8	498						
		1952	24	11377	3.9	443	1	15300	595			
		1953	36	12046	4.0	483	2	12010	490			
		1954	32	12611	4.0	506						
		1955	29	11664	4.0	465						
		1956	49	11884	4.0	470	1	9440	426			
		1957	58	10527	4.0	420	8	9561	397	2	9102	362
		1958	59	10227	4.0	405	6	9367	384			
		1959	80	10410	4.0	416	28	9729	388	15	9786	399
		1960	9	8603	3.6	332	7	8640	341	9	10555	405
	ALL BREEDS	1947	31	11088	3.9	428	2	13620	527			
		1948	19	11475	3.7	427						
		1949	29	10473	3.8	401	4	11408	475			
		1950	48	10637	3.9	408	9	12589	448			
		1951	89	10541	4.0	411	25	11155	414			
		1952	178	10046	4.1	405	35	11631	445			
		1953	213	10460	4.1	416	74	11776	442	21	10953	426
		1954	177	10055	4.2	407	70	10778	410	18	10965	423
		1955	183	10296	4.0	403	115	10583	402	45	9567	374
		1956	246	10200	4.0	398	164	10452	397	99	9805	377
		1957	153	9869	4.0	394	69	10392	409	46	9087	364
		1958	216	9936	3.9	383	120	10330	388	42	9679	375
		1959	335	10343	3.8	389	265	10212	377	152	10257	375
		1960	78	10199	3.7	375	73	10419	378	73	10421	379
002	GUERNSEY	1953	5	6336	4.4	276	2	6770	327			
		1954	5	7798	4.5	346	2	7430	346			
		1955	15	8177	4.7	380	13	7916	382	3	9614	502
		1956	48	7661	4.5	346	46	8293	372	22	8152	379
		1957	24	7799	4.4	341	22	8082	359	20	7639	347
		1958	22	8166	4.2	342	22	7921	347	22	7907	348
		1959	26	8941	4.2	376	25	8389	370	23	8133	360
		1960	3	9987	4.2	419	3	8667	384	1	7695	328
	ALL BREEDS	1953	5	6336	4.4	276	2	6770	327			
		1954	5	7798	4.5	346	2	7430	346			
		1955	15	8177	4.7	380	13	7916	382	3	9614	502
		1956	48	7661	4.5	346	46	8293	372	22	8152	379
		1957	24	7799	4.4	341	22	8082	359	20	7639	347
		1958	22	8166	4.2	342	22	7921	347	22	7907	348
		1959	26	8941	4.2	376	25	8389	370	23	8133	360
		1960	3	9987	4.2	419	3	8667	384	1	7695	328

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
003	GUERNSEY	1952	3	8713	5.0	433						
		1953	5	9198	5.0	456						
		1954	1	9420	4.7	442						
		1956	2	7660	4.6	352						
		1957	2	7575	4.9	369						
	HOLSTEIN	1951	3	11847	3.6	425	2	13315	466			
		1952	4	10615	3.5	379	1	15170	525			
		1953	2	8705	3.5	305						
		1954	2	15120	3.7	557	1	12960	470			
		1955	2	13890	3.6	508	1	11440	432			
		1957	1	10730	3.6	386	1	11000	403	1	11260	398
	JERSEY	1951	7	6590	5.0	331						
		1952	7	6627	5.3	347						
		1953	2	5620	5.8	324						
		1959	3	7583	5.3	400	2	7960	333			
	BROWN SWISS	1951	4	11185	3.9	435						
		1952	4	10355	4.1	423						
		1953	4	10723	4.1	433						
		1954	1	13850	3.9	538						
		1956	1	11840	3.6	431						
		1957	2	10140	3.8	384						
		1958	2	9055	4.0	361						
	ALL BREEDS	1951	14	9029	4.4	381	2	13315	466			
		1952	18	8689	4.6	385	1	15170	525			
		1953	13	9041	4.6	406						
		1954	4	13378	4.0	523	1	12960	470			
		1955	2	13890	3.6	508	1	11440	432			
		1956	3	9053	4.3	378						
		1957	5	9232	4.2	378	1	11000	403	1	11260	398
		1958	2	9055	4.0	361						
		1959	3	7583	5.3	400	2	7960	333			
006	HOLSTEIN	1953	1	12630	3.8	475						
		1955	7	10904	3.5	377	7	11117	398	5	11739	415
		1956	24	11426	3.5	403	19	11956	432	7	13132	468
		1957	38	12381	3.6	437	34	12361	446	25	12256	442
		1958	63	12965	3.6	462	61	12481	448	47	12109	433
		1959	47	12801	3.7	472	46	12341	454	36	12626	460
		1960	5	13008	3.7	478	4	12755	467	3	12880	471
	ALL BREEDS	1953	1	12630	3.8	475						
		1955	7	10904	3.5	377	7	11117	398	5	11739	415
		1956	24	11426	3.5	403	19	11956	432	7	13132	468
		1957	38	12381	3.6	437	34	12361	446	25	12256	442
		1958	63	12965	3.6	462	61	12481	448	47	12109	433
		1959	47	12801	3.7	472	46	12341	454	36	12626	460
		1960	5	13008	3.7	478	4	12755	467	3	12880	471

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUO, BY BREEO, BY YEAR OF FRESHENING

STUD	BREEO	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD RECORDS NO.	MILK LB.	AVERAGE FAT LB.
							RECORDS NO.	MILK LB.	FAT LB.			
001	GUERNSEY	1950	12	7839	4.9	383	5	8512	391			
		1951	22	7649	4.7	357	6	9310	394			
		1952	39	7259	4.8	343	16	6063	339			
		1953	61	7525	4.6	349	44	8305	347	26	8482	341
		1954	80	7498	4.6	345	64	8787	370	47	8223	346
		1955	64	7967	4.8	381	50	8716	386	36	8414	372
		1956	48	8058	4.8	382	33	9631	426	25	9286	397
		1957	47	8516	4.8	409	31	9625	409	22	8861	395
		1958	49	8498	4.7	400	28	8421	373	22	8853	391
		1959	36	7714	4.7	361	30	8039	360	31	8284	375
		1960	6	8345	4.7	388	5	9582	410	3	8291	392
	HOLSTEIN	1949	1	5290	3.9	208						
		1950	11	11106	3.7	411	1	12220	435			
		1951	75	11223	3.6	404	43	10899	400			
		1952	160	10894	3.6	394	110	10734	391			
		1953	303	10760	3.6	387	266	10550	381	162	10493	377
		1954	400	11220	3.6	406	368	10930	399	309	10365	376
		1955	498	11128	3.7	407	466	11200	410	356	10938	402
		1956	498	11551	3.6	418	460	11729	428	305	10865	403
		1957	516	11374	3.7	413	400	11934	435	398	11408	420
		1958	472	11608	3.6	418	337	11794	434	300	11388	421
		1959	591	11983	3.6	434	569	11657	429	488	11300	420
		1960	159	12414	3.6	452	152	12330	452	92	11676	426
	JERSEY	1950	19	7467	5.2	381	4	6930	372			
		1951	74	7161	5.3	374	19	7777	388			
		1952	134	6983	5.3	364	37	7746	392			
		1953	224	6766	5.3	353	68	6961	358	55	7364	372
		1954	202	7138	5.2	368	85	7083	362	69	7229	371
		1955	185	7181	5.2	372	74	7453	381	63	7503	384
		1956	136	7438	5.1	378	53	7755	394	35	7687	395
		1957	94	7530	5.1	380	39	8207	419	27	7692	403
		1958	103	7850	5.1	397	36	8313	423	26	7632	384
		1959	202	7990	5.0	401	157	8052	406	114	8044	412
		1960	68	8105	5.1	414	51	8249	407	36	8209	421
	BROWN SWISS	1954	10	9872	4.4	427	5	8722	361	3	9167	363
		1955	20	8791	4.3	376	8	8555	340	4	8524	333
		1956	16	9180	4.2	388	5	9098	355	4	8611	339
		1957	10	9554	4.2	401	5	9118	370	4	8846	358
		1958	29	10398	4.0	420	10	11363	450	10	10872	433
		1959	30	11265	4.1	464	26	11685	472	25	11319	452
		1960	14	10444	4.0	408	14	9741	386	13	10925	434
	ALL BREEOS	1949	1	5290	3.9	208						
		1950	42	8526	4.7	389	10	8250	388			
		1951	171	9005	4.5	385	68	9887	397			
		1952	333	8894	4.4	376	163	9793	386			
		1953	588	8903	4.3	370	398	9508	372	243	9569	372
		1954	692	9579	4.2	388	522	10020	389	426	9616	372
		1955	767	9051	4.1	395	598	10493	404	459	10248	397
		1956	698	10455	4.0	407	571	11216	424	369	10432	401
		1957	667	10604	3.9	408	555	11431	432	451	11039	417
		1958	653	10728	3.9	414	411	11249	430	358	10945	417
		1959	859	10840	4.0	424	782	10795	423	658	10594	418
		1960	247	11017	4.1	437	222	11167	436	144	10671	425

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD RECORDS NO.	MILK LB.	FAT LB.
							RECORDS NO.	MILK LB.	FAT LB.			
001	GUERNSEY	1951	5	7240	4.8	347						
		1952	10	7402	4.8	350						
		1953	16	7373	4.7	347						
		1954	13	7134	4.6	326						
		1955	11	7005	4.8	335						
		1956	4	7218	4.8	348						
		1957	3	9647	4.7	444	1	10096	526	1	9723	427
		1958	2	9545	4.4	422	1	8340	404			
	HOLSTEIN	1950	2	9680	3.4	324						
		1951	7	12011	3.6	430						
		1952	23	12321	3.5	421	2	11935	388			
		1953	20	13508	3.5	471	3	12627	437	2	9036	336
		1954	31	12496	3.5	433	7	12689	454	3	12938	480
		1955	32	11782	3.6	424	4	12770	435	1	13396	509
		1956	50	12628	3.6	456	4	13778	491	3	13480	490
		1957	34	13303	3.7	483	4	13623	482	4	13001	459
		1958	11	12957	3.8	492	3	13043	479	2	12126	431
		1959	8	12879	3.5	446	8	11605	411	6	10809	394
		1960	9	12967	3.9	505	7	11979	442	1	12524	472
	JERSEY	1950	4	7098	5.1	358						
		1951	12	6777	4.9	339						
		1952	13	7028	5.1	353						
		1953	29	7052	5.1	357						
		1954	24	6518	5.0	323						
		1955	14	7031	5.2	358						
		1956	11	7675	5.1	393						
		1957	15	6581	5.4	348				1	6747	375
		1958	14	8022	5.2	412	4	8793	436			
		1959	7	7946	5.2	409	7	7439	369	6	7058	356
		1960	2	7415	5.9	437	2	9185	498	2	7292	419
	ALL BREEDS	1950	6	7958	4.5	347						
		1951	24	8400	4.5	367						
		1952	46	9756	4.2	386	2	11935	388			
		1953	65	9117	4.5	390	3	12627	437	2	9036	336
		1954	68	9361	4.2	374	7	12689	454	3	12938	480
		1955	57	9693	4.2	391	4	12770	435	1	13396	509
		1956	65	11457	4.0	438	4	13778	491	3	13480	490
		1957	52	11153	4.2	442	5	12916	491	6	11412	439
		1958	27	10146	4.6	446	8	10330	448	2	12126	431
		1959	15	10577	4.3	429	15	9661	391	12	8933	375
		1960	11	11957	4.3	492	9	11358	454	3	9036	437
002	GUERNSEY	1950	1	6040	4.7	285						
		1951	6	6662	4.8	321						
		1952	13	8225	4.7	387						
		1953	20	7471	5.1	376						
		1954	14	8041	4.9	394						
		1955	14	8446	5.0	419						
		1956	17	7309	4.8	354	1	9440	409	1	9450	396
		1957	16	7153	4.9	346	2	8060	368	2	7619	350
		1958	16	8224	4.9	397	6	8528	393	2	8421	377
		1959	13	8732	5.1	448	12	8894	418	3	9105	413
	HOLSTEIN	1949	2	9505	3.6	336						
		1950	6	11125	3.6	399						
		1951	4	11380	3.8	431						
		1952	7	11816	3.6	423						
		1953	13	11992	3.5	418						
		1954	25	11404	3.5	403	1	10220	385	1	10083	350
		1955	32	12012	3.5	422	1	9490	355	1	10922	414
		1956	35	12542	3.6	456	1	11010	394	1	10311	366
		1957	46	11756	3.6	427	1	11740	441	1	9756	351
		1958	4	12138	3.6	433	1	11020	436			
		1959	2	10990	2.9	311	2	10265	349	2	10202	362
		1960	2	14390	3.4	478	2	11580	434	1	12524	472
	JERSEY	1947	15	7913	5.3	419						
		1948	2	9350	5.2	480						
		1949	24	7393	5.3	390						
		1950	46	7660	5.3	404						
		1951	59	7109	5.3	374	1	7660	396			
		1952	67	7401	5.2	385	1	7290	372			
		1953	104	7323	5.2	379	7	8351	444	2	6093	310
		1954	98	7305	5.3	382	10	8403	427	5	6939	351
		1955	80	7518	5.2	394	12	8089	417	5	7831	401
		1956	48	7669	5.2	400	11	8445	432	3	8687	454
		1957	33	7728	5.1	395	6	7345	370	3	7459	356
		1958	17	7870	5.1	403	8	7608	395	2	8126	329
		1959	16	7905	5.0	392	15	7989	393	6	8609	417
		1960	7	7541	5.3	398	7	8124	417	1	7292	419

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
003	BROWN SWISS	1956	2	10750	4.9	512						
		1959	3	15730	3.9	608	2	13340	533	1	9243	364
		1960	2	9185	3.8	339						
	ALL BREEDS	1947	15	7913	5.3	419						
		1948	2	9350	5.2	480						
		1949	26	7555	5.2	386						
		1950	53	8022	5.1	401						
		1951	69	7317	5.2	373	1	7660	396			
		1952	87	7880	5.0	388	1	7290	372			
		1953	137	7787	5.0	382	7	8351	444	2	6093	310
		1954	137	8128	4.9	387	11	8568	423	6	7463	351
		1955	126	8762	4.8	404	13	8197	412	6	8346	403
		1956	102	9342	4.6	413	13	8719	427	5	9164	425
		1957	95	9581	4.4	402	9	7992	377	6	7895	353
		1958	37	8485	4.8	403	15	8203	397	4	8273	353
		1959	34	9093	4.8	427	31	8833	409	12	9051	402
		1960	11	9085	4.7	402	9	8892	421	2	9908	446
	HOLSTEIN	1952	33	11464	3.7	419	1	9510	322			
		1953	36	11021	3.7	403	7	12960	464	2	14715	520
004		1954	55	11483	3.6	417	25	12894	474	21	12393	454
		1955	71	11106	3.7	412	46	12187	450	43	12165	448
		1956	79	11284	3.6	403	57	12419	461	31	12163	456
		1957	157	11337	3.6	408	83	12550	462	74	12231	448
		1958	218	12173	3.6	439	189	12596	459	153	12535	455
		1959	179	12196	3.6	435	173	12409	449	141	12662	459
		1960	23	12614	3.7	459	23	12533	456	19	12591	467
	JERSEY	1949	16	6574	5.2	345						
		1950	36	6625	5.2	342						
		1951	60	6152	5.1	313						
		1952	54	6919	5.2	355	1	9520	405			
		1953	55	6529	5.3	346	3	4297	219			
		1954	57	6547	5.1	333	4	5693	294	1	5003	253
		1955	39	6589	5.0	330	1	8490	423	1	9581	444
		1956	30	7553	5.1	384	1	9160	423	1	8306	403
		1957	22	7029	5.3	366						
		1958	6	8163	5.2	416	4	7100	364			
		1959	2	4205	5.0	207	2	3580	181	2	7096	351
		1960	3	7417	4.8	360	3	7107	353	1	8851	456
	ALL BREEDS	1949	16	6574	5.2	345						
		1950	36	6625	5.2	342						
		1951	60	6152	5.1	313						
		1952	87	8643	4.6	380	2	9515	364			
		1953	91	8306	4.7	368	10	10361	391	2	14715	520
		1954	112	8971	4.4	374	29	11901	450	22	12057	445
		1955	110	9504	4.2	383	47	12108	450	44	12106	448
		1956	109	10257	4.0	398	38	12333	460	32	12043	454
		1957	179	10807	3.8	402	83	12550	462	74	12231	448
		1958	224	12066	3.7	439	193	12463	457	153	12535	455
		1959	181	12108	3.6	433	175	12308	446	143	12584	457
		1960	26	12015	3.8	448	26	11907	444	20	12404	466
004	GUERNSEY	1955	1	6790	4.7	320						
		1956	2	8700	4.7	413						
		1957	2	5915	4.9	284						
	HOLSTEIN	1949	2	7065	3.4	238						
		1951	1	11270	3.5	391						
	JERSEY	1947	104	6824	5.4	369						
		1948	3	9200	5.2	477						
		1949	14	7904	5.3	418						
		1950	20	7568	5.3	400						
		1951	13	6916	5.3	366						
		1952	12	6501	5.0	328						
		1953	4	8200	5.0	407						
		1954	7	8544	4.8	413						
		1955	3	7290	5.1	367						
		1956	5	8410	4.7	393						
	ALL BREEDS	1947	104	6824	5.4	369						
		1948	3	9200	5.2	477						
		1949	16	7799	5.1	396						
		1950	20	7568	5.3	400						
		1951	14	7227	5.1	366						
		1952	12	6501	5.0	328						
		1953	4	8200	5.0	407						
		1954	7	8544	4.8	413						
		1955	4	7165	5.0	356						
		1956	7	8493	4.7	398						
		1957	2	5915	4.9	284						

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUO, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERO AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
005	GUERNSEY	1950	1	6340	4.4	279						
		1951	1	8190	4.1	337						
	HOLSTEIN	1951	4	11675	3.6	410						
		1952	1	7910	3.1	249						
	JERSEY	1950	4	6163	5.2	322	1	8130	410			
		1951	1	9370	5.3	496	1	7620	392			
		1952	8	8138	4.9	403	2	7350	374			
		1953	5	7276	4.8	350	1	7220	361	1	6649	341
		1954	14	8335	5.2	427	3	7760	397	2	6475	330
		1955	11	7174	5.2	371	3	6593	346			
		1956	8	8013	5.0	395	3	7620	394			
		1957	5	8410	5.0	416	3	7847	410	3	7372	341
	ALL BREEDS	1950	5	6198	5.0	313	1	8130	410			
		1951	6	10710	4.0	412	1	7620	392			
		1952	9	8112	4.7	386	2	7350	374			
		1953	5	7276	4.8	350	1	7220	361	1	6649	341
		1954	14	8335	5.2	427	3	7760	397	2	6475	330
		1955	11	7174	5.2	371	3	6593	346			
		1956	8	8013	5.0	395	3	7620	394			
		1957	5	8410	5.0	416	3	7847	410	3	7372	341

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUO, BY BREED, BY YEAR OF FRESHENING

STUO	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY HERO AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.		RECORDS NO.	MILK LB.	FAT LB.
001	GUERNSEY	1949	2	7940	4.8	378							
		1950	1	4890	5.1	251							
		1951	2	7190	5.1	357							
		1952	3	7690	4.5	345							
		1953	4	8225	4.6	376							
		1954	9	7383	4.5	334	1	6770	315		1	7717	363
		1955	6	7353	4.6	336	2	6760	349		1	8611	434
		1956	11	6654	4.7	311	2	8750	394		1	8676	425
		1957	11	6309	4.6	290	1	10200	500		1	8567	415
		1958	5	5796	4.5	268							
		1959	2	7060	4.6	323	1	5410	243		1	5472	259
		1960	1	7900	3.8	301							
	JERSEY	1949	6	7905	5.0	395	1	6450	379				
		1950	18	7269	4.9	351	2	8650	434				
		1951	23	6709	5.0	335	1	8770	421				
		1952	30	6830	5.0	344	1	9470	533				
		1953	30	6931	5.0	342	3	8417	452		1	7968	400
		1954	26	7328	4.7	348	1	8010	416		1	6289	328
		1955	39	6037	4.8	290							
		1956	20	6414	4.7	303	2	6970	378		1	7379	395
		1957	12	7013	4.8	339	1	6250	310				
		1958	8	7205	4.8	342	1	6140	323		2	8606	385
		1959	4	7093	4.7	332	2	7635	357		1	10867	462
		1960	1	9790	4.7	463					1	8949	411
	ALL BREEDS	1949	8	7914	5.0	391	1	6450	379				
		1950	19	7144	4.9	346	2	8650	434				
		1951	25	6748	5.0	337	1	8770	421				
		1952	33	6908	5.0	344	1	9470	533				
		1953	34	7083	4.9	346	3	8417	452		1	7968	400
		1954	35	7342	4.7	344	2	7390	366		2	7003	346
		1955	45	6212	4.8	296	2	6760	349		1	8611	434
		1956	31	6499	4.7	306	4	7860	386		2	8028	410
		1957	23	6677	4.7	315	2	8225	405		1	8567	415
		1958	13	6663	4.7	314	1	6140	323		2	8606	385
002	JERSEY	1951	2	5595	5.1	221							
		1952	2	5500	5.0	272							
		1953	2	5550	4.9	272							
		1954	3	5873	4.8	277							
		1956	2	9035	4.9	437							
		1957	3	8393	5.0	414	1	8680	400				
		1958	1	8670	5.0	431							
	ALL BREEDS	1951	2	5595	5.1	281							
		1952	2	5500	5.0	272							
		1953	2	5550	4.9	272							
		1954	3	5873	4.8	277							
		1956	2	9035	4.9	437							
		1957	3	8393	5.0	414	1	8680	400				
		1958	1	8670	5.0	431							

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE				
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.		
001	GUERNSEY	1953	3	5030	4.9	247								
		1954	3	6447	4.8	313								
		1955	1	5930	5.4	322	1	7290	327					
		1956	1	5460	4.6	251	1	8260	373					
		1959	1	10000	4.8	483	1	9820	476					
		1960	1	6150	4.6	282	1	10140	487					
	ALL BREEDS	1953	3	5030	4.9	247								
		1954	3	6447	4.8	313	1	7290	327					
		1955	1	5930	5.4	322	1	8260	373					
		1956	1	5460	4.6	251								
		1959	1	10000	4.8	483	1	9820	476					
		1960	1	6150	4.6	282	1	10140	487					
002	GUERNSEY	1954	2	6990	4.7	328	1	6610	328		1	7390	338	
		1955	3	6280	4.8	294	2	6490	313		2	7804	371	
		1956	9	7469	4.8	359	5	7914	408		2	7804	371	
		1957	4	7703	5.3	411	4	9200	448		1	7514	316	
		1958	7	8370	4.9	411	4	8308	402					
		1959	7	8909	4.6	410	7	7704	366		2	8775	407	
		1960	1	9980	5.1	505	1	7040	326					
		HOLSTEIN	1956	3	10390	3.6	371	3	11737	408				
	1957		4	14265	3.9	550	3	13510	475		2	11309	427	
	1958		2	14640	3.8	547	1	14720	488		1	12709	465	
	1959		8	12113	3.4	413	8	11111	396		8	10878	399	
	003	JERSEY	1960	2	13070	3.7	475	2	9595	364		2	9418	356
JERSEY			1950	6	7253	5.0	360	1	6630	312				
			1951	18	6587	5.1	331	3	5960	283				
			1952	39	6937	5.1	350	10	6253	311				
			1953	24	6964	5.0	349	13	6162	315	10	6159	314	
			1954	22	7619	4.9	372	5	7664	377		2	5406	266
		1955	43	6404	5.0	316	25	5976	303					
		1956	61	6899	4.8	334	44	7179	350					
		1957	41	6957	4.7	327	26	7426	358	22	6119	296		
1958		40	6947	5.1	349	20	7757	397	8	7654	378			
1959		49	6324	5.1	319	33	7055	341	13	8015	375			
1960		4	8218	4.9	396	1	4610	231	1	8219	398			
BROWN SWISS	1957	1	11900	4.1	492									
	1958	1	12120	4.1	496									
	1959	1	10980	4.1	452									
	004	ALL BREEDS	1950	6	7253	5.0	360	1	6630	312				
1951			18	6587	5.1	331	3	5960	283					
1952			39	6937	5.1	350	10	6253	311					
1953			24	6964	5.0	349	13	6162	315	10	6159	314		
1954			24	7566	4.9	369	6	7488	369	3	6057	290		
1955			46	6396	5.0	314	27	6014	304	2	7804	371		
1956		73	71											

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
		1955	29	6299	5.4	344						
		1956	30	6882	5.3	364						
		1957	15	6423	5.1	326						
		1958	15	6941	5.3	367						
		1959	19	6323	5.1	322						
		1960	3	5760	5.2	303						
	ALL BREEDS	1947	8	7249	5.4	391						
		1948	6	6188	5.3	322						
		1949	6	6920	5.4	368						
		1950	9	6440	5.3	340						
		1951	11	6625	5.0	327						
		1952	35	7252	5.2	380	4	8135	416			
		1953	46	6788	5.2	353	4	7975	442	2	8186	407
		1954	42	6550	5.2	341	7	7733	422	4	6960	363
		1955	29	6299	5.4	344	7	7004	377	1	6224	277
		1956	30	6882	5.3	364	3	9450	483	3	6733	332
		1957	15	6423	5.1	326	6	7938	401	1	7815	382
		1958	15	6941	5.3	367	10	7997	423			
		1959	19	6323	5.1	322	15	6584	337	9	7009	350
		1960	3	5760	5.2	303	2	6245	310	2	7352	365
005	JERSEY	1951	1	6350	5.7	365						
		1952	1	4810	5.7	274						
		1953	5	4810	5.1	243						
		1954	4	6280	5.5	344						
		1955	2	6300	5.0	316	1	5840	337			
		1956	3	4747	4.7	227	2	6595	340			
		1957	3	4620	4.4	216	2	5970	298	1	4607	245
		1958	1	5740	4.6	265	1	6190	310			
		1959	1	7470	5.1	381	1	10170	441	1	8382	400
	ALL BREEDS	1951	1	6350	5.7	365						
		1952	1	4810	5.7	274						
		1953	5	4810	5.1	243						
		1954	4	6280	5.5	344						
		1955	2	6300	5.0	316	1	5840	337			
		1956	3	4747	4.7	227	2	6595	340			
		1957	3	4620	4.4	216	2	5970	298	1	4807	245
		1958	1	5740	4.6	265	1	6190	310			
		1959	1	7470	5.1	381	1	10170	441	1	8382	400
006	GUERNSEY	1948	1	9160	5.1	464						
		1949	1	10280	4.1	425	1	8320	365			
		1950	1	7360	4.5	334	1	7960	353			
		1951	2	6935	5.0	343	1	8350	353			
		1952	2	6475	5.3	340						
		1953	3	7257	4.2	305	1	7420	316			
		1954	2	7000	4.3	298	1	6280	284	1	7292	324
		1956	1	8530	4.1	346	1	7430	330	1	6551	298
		1957	1	7980	4.0	321	1	7490	332	1	6976	317
		1959	2	7270	4.2	309	2	6120	266	2	6802	303
	JERSEY	1952	1	9160	4.5	410						
		1953	6	5068	5.0	250						
		1954	6	6277	4.7	294						
		1956	4	6740	5.0	333	3	6533	327			
		1957	5	6658	5.1	340	3	6597	349	1	7946	395
		1958	1	6400	5.0	320						
	ALL BREEDS	1948	1	9160	5.1	464						
		1949	1	10280	4.1	425	1	8320	365			
		1950	1	7360	4.5	334	1	7960	353			
		1951	2	6935	5.0	343	1	8350	353			
		1952	3	7370	5.0	363						
		1953	9	5798	4.8	268	1	7420	316			
		1954	8	6458	4.6	295	1	6280	284	1	7292	324
		1956	5	7098	4.8	335	4	6758	328	1	6551	298
		1957	6	6878	5.0	337	4	6820	345	2	7461	356
		1958	1	6400	5.0	320						
		1959	2	7270	4.2	309	2	6120	266	2	6802	303
007	GUERNSEY	1954	1	5750	4.5	258	1	8220	375			
		1956	1	6300	4.7	294						
	ALL BREEDS	1954	1	5750	4.5	258	1	8220	375			
		1956	1	6300	4.7	294						
008	JERSEY	1949	5	5268	4.9	254						
		1950	7	6220	5.1	314						
		1951	3	6080	5.2	318						
		1952	2	8440	5.5	456	1	6580	330			
		1953	2	7505	5.6	412	1	5380	280			
		1954	2	8590	5.4	458	1	7860	376	1	7826	373
		1955	1	7000	5.1	360						

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING	RECORDS	MILK	TEST	FAT	305-DAY CONTEMPORARY			YEARLY HERO AVERAGE		
		YEAR	NO.	LB.	PCT.	LB.	RECORDS	MILK	FAT	RECORDS	MILK	FAT
		1956	1	5670	6.0	339						
		1957	1	6840	5.5	379						
	ALL BREEDS	1949	5	5268	4.9	254						
		1950	7	6220	5.1	314						
		1951	3	6080	5.2	318						
		1952	2	8440	5.5	456	1	6580	330			
		1953	2	7505	5.6	412	1	5380	280			
		1954	2	8590	5.4	458	1	7860	376	1	7826	373
		1955	1	7000	5.1	360						
		1956	1	5670	6.0	339						
		1957	1	6840	5.5	379						
075	JERSEY	1949	1	5200	6.4	334						
		1950	12	7186	5.3	381						
		1951	17	5772	5.3	304						
		1952	14	6648	5.2	341						
		1953	9	5587	5.2	289	1	3790	198			
		1954	12	6553	5.1	336						
		1955	8	5959	4.9	294						
		1956	6	7810	4.9	380						
		1957	2	6250	4.9	307						
		1959	2	6395	4.9	311	1	5660	298	1	6246	330
	ALL BREEDS	1949	1	5200	6.4	334						
		1950	12	7186	5.3	381						
		1951	17	5772	5.3	304						
		1952	14	6648	5.2	341						
		1953	9	5587	5.2	289	1	3790	198			
		1954	12	6553	5.1	336						
		1955	8	5959	4.9	294						
		1956	6	7810	4.9	380						
		1957	2	6250	4.9	307						
		1959	2	6395	4.9	311	1	5660	298	1	6246	330

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE, IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
001	GUERNSEY	1953	5	8674	4.8	417						
		1954	4	7235	4.6	334				1	8077	395
		1955	4	6453	5.0	321						
		1956	14	6686	4.9	323	1	9140	449			
		1957	3	6697	5.2	349						
		1958	4	7413	4.9	357	1	7080	373			
		1959	1	4700	4.4	208	1	6570	319			
		1960	4	7633	4.8	363	3	8543	389	2	3984	374
	HOLSTEIN	1950	4	11820	4.0	456						
		1951	4	14250	3.6	510						
		1952	4	11783	3.5	416						
		1953	3	13033	3.1	409						
		1954	4	14248	3.2	448						
		1955	6	13278	3.5	467	2	9975	371	2	11532	429
		1957	4	13605	3.6	488	1	15090	562	1	12753	472
		1958	2	18315	3.5	636	1	13510	488			
		1959	11	10393	3.6	378	11	11174	396	3	11322	399
		1960	2	9085	3.9	360	2	10050	359	2	10170	366
	JERSEY	1947	2	7020	5.4	366						
		1948	4	5493	5.3	289						
		1949	14	6678	5.1	337						
		1950	18	6964	5.3	367	2	8460	461			
		1951	29	6981	5.4	375	1	8910	462			
		1952	36	6562	5.5	359	1	7120	361			
		1953	28	6284	5.3	327	3	7197	368	3	6918	351
		1954	33	6604	5.2	339	3	6313	329	2	6567	341
		1955	21	6608	5.3	353	4	8088	407	3	7150	371
		1956	14	6849	5.1	353	5	7400	374	4	8358	411
		1957	8	6449	5.0	326	2	7295	402	2	7053	382
		1958	2	8420	5.3	439	1	6920	363			
		1959	19	6478	5.1	332	14	6994	358	3	3899	248
		1960	13	6927	5.0	348	10	7443	389	5	7654	405
M. SHORTHORN		1957	1	8760	3.8	333						
		1958	2	10030	3.6	360	2	10080	388	2	8273	332
		1959	7	6177	3.8	231	7	6841	301	1	9385	372
		1960	5	8554	3.5	299	5	8804	313	4	9320	366
ALL BREEDS		1947	2	7020	5.4	366						
		1948	4	5493	5.3	289						
		1949	14	6678	5.1	337						
		1950	22	7847	5.1	383	2	8460	461			
		1951	33	7862	5.2	391	1	8910	462			
		1952	40	7084	5.3	365	1	7120	361			
		1953	36	7178	5.0	346	3	7197	368	3	6918	351
		1954	41	7411	4.9	349	3	6313	329	3	7070	359
		1955	31	7879	4.9	371	6	8717	395	5	8903	394
		1956	28	6768	5.0	338	6	7690	387	4	8358	411
		1957	16	8429	4.6	371	3	9893	455	3	8953	412
		1958	10	10318	4.4	430	5	9534	400	2	8273	332
		1959	38	7509	4.4	323	33	8342	357	7	7864	330
		1960	24	7563	4.5	341	20	8209	367	13	7989	382

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.		RECORDS NO.	MILK LB.	FAT LB.
001	GUERNSEY	1951	2	10010	5.2	516							
		1952	9	7368	5.3	393							
		1953	15	8253	5.2	433							
		1954	38	7636	4.9	374	7	8633	408	1	7685	320	
		1955	34	7238	4.9	353	8	7515	339				
		1956	30	7449	4.9	364	12	6985	343	3	6551	322	
		1957	27	6246	4.8	301	16	6423	318	3	5966	285	
		1958	32	8733	4.9	433	15	8022	385	15	5633	281	
		1959	28	8106	4.8	385	18	7839	376	18	6688	319	
	1960	3	9947	4.9	491	3	8570	395	3	7990	380		
	HOLSTEIN	1947	15	10935	3.5	378	2	10985	371				
		1948	40	10438	3.5	367	3	11727	408				
		1949	79	11073	3.6	393	12	12825	469				
		1950	107	11132	3.5	394	28	12249	448				
		1951	95	11185	3.5	392	40	11561	433				
		1952	155	11230	3.6	397	98	11350	427				
		1953	139	11032	3.6	391	121	10957	408	38	10910	405	
		1954	127	11257	3.5	396	119	11128	419	106	10569	398	
		1955	109	11648	3.6	414	96	11209	419	90	10880	407	
		1956	105	10806	3.6	385	87	10841	403	83	10738	400	
		1957	119	10836	3.6	387	108	10470	397	84	10409	396	
		1958	83	10758	3.6	387	64	10441	388	52	10368	387	
		1959	96	11549	3.6	415	92	11434	416	65	11545	401	
		1960	20	12017	3.5	418	20	11131	393	16	11137	392	
	JERSEY	1949	2	7360	5.2	378							
		1950	9	6746	5.3	358	1	6230	338				
		1951	9	6972	5.0	352							
		1952	17	6270	5.2	327	1	6040	322				
		1953	18	6508	5.0	326	1	6990	373	1	6442	343	
		1954	33	6882	5.3	360	6	7497	360	2	5739	279	
		1955	41	6613	5.3	346	19	7518	380	4	6170	228	
		1956	33	5708	5.1	300	12	6553	334	11	6007	305	
		1957	20	5824	5.2	294	10	5997	301	6	5874	295	
		1958	38	5846	5.1	296	20	6994	354	6	6216	316	
		1959	19	6252	5.0	313	17	6981	348	8	6236	320	
		1960	1	6440	5.4	349	1	8660	418				
	ALL BREEDS	1947	15	10935	3.5	378	2	10985	371				
		1948	40	10438	3.5	367	3	11727	408				
		1949	81	10981	3.6	393	12	12825	469				
		1950	116	10792	3.7	391	29	12042	444				
		1951	106	10805	3.7	391	40	11561	433				
		1952	181	10572	3.8	390	99	11296	426				
		1953	172	10316	3.8	387	122	10925	408	39	10796	404	
		1954	198	9833	4.1	386	132	10830	416	111	10456	396	
		1955	184	9711	4.2	387	123	10399	408	94	10680	399	
		1956	168	9245	4.1	365	111	9961	389	97	10072	387	
		1957	166	9486	4.0	362	134	9653	381	95	9887	384	
		1958	153	9114	4.2	374	99	9378	381	75	8978	358	
		1959	143	10171	4.0	395	127	10328	402	91	10118	378	
		1960	24	11525	3.7	424	24	10708	394	21	10687	390	
002	JERSEY	1951	2	5955	5.2	305							
		1952	8	8808	5.2	456							
		1953	7	7163	4.8	347							
		1954	4	6160	5.4	330							
		1955	3	6883	5.3	357							
	ALL BREEDS	1951	2	5955	5.2	305							
		1952	8	8808	5.2	456							
		1953	7	7163	4.8	347							
		1954	4	6160	5.4	330							
		1955	3	6883	5.3	357							

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRE IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
001	GUERNSEY	1950	2	6945	4.2	293						
		1951	4	9898	4.4	429						
		1952	5	7796	4.9	383	1	6370	362			
		1953	11	7916	4.6	365	3	8273	402	5	8343	397
		1954	4	8928	4.4	386	5	7442	360	2	7014	347
		1955	4	7583	4.6	349	2	7775	378	3	6860	318
		1956	3	7223	4.5	322	4	8738	391	2	6769	299
		1958	1	4420	3.9	173	2	9380	455			
	HOLSTEIN	1951	2	11480	4.3	491						
		1952	2	13265	3.6	480	1	13340	489			
		1953	5	10652	3.5	382	1	12100	476	1	13069	497
		1954	5	12296	4.0	484	1	13040	498	5	12794	470
		1955	12	13163	3.9	513	5	13144	473	7	11060	413
		1956	13	13949	4.0	554	9	13336	475	5	10527	385
		1957	7	15093	4.0	592	13	14586	493	3	13843	518
		1958	3	16237	3.6	588	7	15433	533	1	11140	432
		1959	3	17620	3.5	626	2	14920	519	3	18465	641
		1960	1	9840	4.4	436	3	15867	552			
	JERSEY	1950	2	4645	5.0	229	1	9030	322			
		1951	6	6992	5.3	371						
		1952	10	6044	5.6	333	1	7010	335			
		1953	10	5975	5.1	302	3	7707	404	1	6377	310
		1954	2	6910	5.1	348	2	6890	394	1	7172	424
		1955	2	9230	4.7	425	1	6420	375	1	6998	387
		1956	3	7500	4.8	362	1	7330	425	2	7042	383
		1957	3	5257	5.2	272	2	9350	499	2	6333	333
		1958	1	7230	4.9	351	2	6160	317	1	7401	339
		1959	1	9410	4.7	441	1	7360	365	1	8502	352
	ALL BREEDS	1950	4	5795	4.6	261						
		1951	12	8708	4.8	410	3	8907	395			
		1952	17	7409	5.1	365	7	8577	413			
		1953	26	7696	4.6	344	8	8004	386	7	8737	399
		1954	11	10092	4.3	424	8	10961	437	8	10647	433
		1955	18	11486	4.2	467	8	10961	437	11	9545	385
		1956	19	11869	4.2	487	14	11593	448	9	8917	365
		1957	10	12142	4.3	496	17	13358	489	5	10839	444
		1958	5	12072	3.9	458	9	13372	485	2	9271	386
		1959	4	15568	3.8	580	3	12400	468	4	15974	569
		1960	1	9840	4.4	436	4	14063	519			
002	GUERNSEY	1951	1	6920	4.6	319	1	9030	322			
		1952	3	7600	4.8	364						
		1953	4	6960	4.7	319						
		1954	7	7250	5.1	363	1	7550	374	1	8655	386
		1955	6	6275	5.0	315	3	7663	347	3	8135	341
		1956	2	7225	5.2	381						
		1957	3	7513	5.2	386	1	7550	386	1	6551	322
		1958	4	6468	4.9	315	2	9135	416	1	7924	377
	HOLSTEIN	1953	2	12090	3.4	408						
	JERSEY	1950	2	7570	5.7	427						
		1951	11	7305	5.2	380						
		1952	19	6822	5.2	351						
		1953	26	6968	5.1	356	1	7730	401			
		1954	18	6899	5.3	363	1	6740	344	1	7979	373
		1955	14	7196	5.1	367	1	8160	399	1	8208	408
		1956	8	6880	5.1	351						
		1957	3	5643	4.6	259						
		1958	2	3460	4.5	151						
		1960	1	5990	5.0	300						
	M. SHORTHORN	1951	1	4960	4.6	228						
		1952	5	6706	4.0	264	2	2850	118			
		1953	2	6960	4.1	277	1	7100	273			
		1954	2	5835	3.9	230	2	6590	245	2	4949	191
	ALL BREEDS	1950	2	7570	5.7	427						
		1951	13	7095	5.1	363						
		1952	27	6887	4.9	336	2	2850	118			
		1953	34	7268	4.9	350	2	7415	337			
		1954	28	7536	5.1	368	5	8618	340	4	6633	285
		1955	21	7780	5.0	383	5	9674	399	4	8154	358
		1956	10	6949	5.1	357						
		1957	6	6578	4.9	323	1	7550	386	1	6551	322
		1958	6	5465	4.8	260	2	9135	416	1	7924	377
		1960	1	5990	5.0	300						

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
003	GUERNSEY	1950	1	7380	5.0	365						
		1951	2	6510	5.4	351						
		1952	4	6378	4.8	305						
		1953	3	6957	4.4	309						
		1955	3	8387	5.0	415	3	9267	466			
		1956	2	9720	4.7	452						
		1958	1	6660	5.2	349						
		1959	3	7117	4.1	290	2	7075	325			
		1960	1	9580	4.1	390	1	7420	326			
	HOLSTEIN	1950	3	12597	3.7	466						
		1951	4	11875	3.6	421						
		1952	1	13490	3.6	489						
		1953	15	11867	3.3	391	3	11777	424	1	8186	308
		1954	21	11835	3.5	412	13	12858	441	9	11475	412
		1955	30	13712	3.4	460	27	14264	489	13	10295	386
		1956	27	12882	3.5	449	24	13511	475	11	11506	425
		1957	24	13558	3.4	453	23	13718	478	15	11150	391
		1958	24	14219	3.5	495	22	13740	489	16	13625	480
		1959	16	13411	3.6	477	16	13383	479	15	13842	478
	JERSEY	1960	4	15350	3.2	483	4	14670	522			
		1951	1	6140	4.2	257						
		1953	1	7060	5.6	396						
		1954	2	6910	4.9	338	1	8080	418	1	10006	512
		1955	2	7940	5.2	408	2	8235	401	2	8698	451
		1958	5	4742	5.4	266						
		1959	8	7359	5.4	396	3	6753	329	3	6576	322
		1960	5	7026	5.4	382						
	M. SHORTHORN	1954	2	6805	4.0	268	2	6420	239	2	4949	191
		1957	1	9260	4.3	398	1	9710	397	1	8033	331
	ALL BREEDS	1950	4	11293	4.0	441						
		1951	7	9523	4.2	377						
		1952	5	7800	4.5	341						
		1953	19	10838	3.6	378	3	11777	424	1	8186	308
		1954	25	11039	3.6	394	16	11754	414	12	10265	383
		1955	35	12926	3.6	453	32	13435	481	15	10082	395
		1956	29	12664	3.6	449	24	13511	475	11	11506	425
		1957	25	13386	3.4	451	24	13551	475	16	10955	387
		1958	30	12388	3.9	452	22	13740	489	16	13625	480
		1959	27	10918	4.2	432	21	11835	443	18	12631	452
		1960	10	10611	4.4	423	5	13220	483			

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREs IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS				305-LAY CONTEMPORARY			YEARLY HERD AVERAGE		
			NO.	MILK LB.	TEST PCT.	FAT LB.	RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
003		1952	78	7588	4.8	358	25	9203	393			
		1953	133	8208	4.6	370	60	9258	388	42	8100	355
		1954	135	8810	4.6	392	79	9747	401	69	9119	379
		1955	170	9274	4.5	406	106	10224	433	100	9208	393
		1956	156	10045	4.4	430	111	10691	439	101	10426	419
		1957	118	9384	4.4	400	78	10583	435	73	10104	413
		1958	74	10961	4.3	455	50	11002	433	35	10407	414
		1959	62	11680	4.0	455	59	11322	440	57	11511	412
		1960	12	12734	3.8	487	11	12217	479	7	9770	389
	HOLSTEIN	1955	3	13080	3.7	482	3	15010	531			
		1956	4	13715	4.1	560	3	11957	445	2	11238	422
		1957	3	14443	3.6	514	3	12723	490	3	13367	504
		1958	3	16480	3.7	606	3	16083	595	3	13411	515
		1959	4	15540	3.6	559	4	14223	546			
		1960	1	15530	3.9	606	1	14110	514	1	12426	439
	JERSEY	1951	3	10380	5.2	540						
		1952	3	8077	5.4	433						
		1953	5	9158	5.4	490	1	8540	532			
		1954	7	8823	5.3	465						
		1955	9	8454	5.1	428	1	12350	601			
		1956	8	8630	5.1	444	1	9640	516			
		1957	5	7498	5.4	404	1	8270	437			
		1958	3	7580	5.4	407	2	8305	412			
		1959	1	7220	5.2	378						
	ALL BREEDS	1951	3	10380	5.2	540						
		1952	3	8077	5.4	433						
		1953	5	9158	5.4	490	1	8540	532			
		1954	7	8823	5.3	465						
		1955	12	9611	4.8	441	4	14345	549			
		1956	12	10325	4.8	463	4	11378	463	2	11238	422
		1957	8	10103	4.7	445	4	11610	477	3	13367	504
		1958	6	12030	4.6	506	5	12972	522	3	13411	515
		1959	5	13876	3.9	523	4	14223	546			
		1960	1	15530	3.9	606	1	14110	514	1	12426	439
004	HOLSTEIN	1953	1	7350	3.2	237						
	ALL BREEDS	1953	1	7350	3.2	237						
005	JERSEY	1956	1	7020	4.3	303	1	9080	375			
	ALL BREEDS	1956	1	7020	4.3	303	1	9080	375			

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
001	GUERNSEY	1950	1	10070	4.5	453						
		1951	1	8110	4.7	383						
		1952	10	7324	4.7	345	7	8971	396			
		1953	6	7187	5.1	363	5	7930	388	3	6801	327
		1954	13	6725	4.6	309	13	7142	328	8	8658	404
		1955	11	6922	4.8	328	11	7509	339	5	8790	389
		1956	10	6690	4.8	315	10	7434	337	1	8295	356
		1957	12	6365	4.9	308	12	8565	383			
		1958	3	4607	4.6	201	3	6387	256			
		1959	1	6600	3.7	245	1	10100	359			
	HOLSTEIN	1950	2	11845	3.5	406	2	11315	406			
		1951	16	12759	3.6	457	10	12400	439			
		1952	45	13194	3.6	472	28	12636	443			
		1953	86	12640	3.6	447	59	13001	448	49	11645	400
		1954	144	12312	3.6	434	119	12850	444	91	12449	430
		1955	142	12070	3.6	431	123	12704	444	107	12527	433
		1956	174	12227	3.6	439	164	12752	455	119	12660	444
		1957	147	11921	3.6	433	137	12766	463	103	12495	446
		1958	133	12307	3.6	442	116	12397	451	51	12755	459
		1959	108	12604	3.6	455	105	12514	454	45	12530	452
		1960	13	12200	3.6	443	12	13028	478	7	12437	451
	JERSEY	1951	4	7348	5.7	416	3	8630	457			
		1952	11	8355	5.5	458	9	8872	471			
		1953	20	8440	5.5	485	14	8718	476	14	8512	459
		1954	18	7968	5.7	448	11	8003	452	9	8528	458
		1955	25	7901	5.6	439	20	7935	437	11	8244	455
		1956	23	7162	5.5	390	17	7633	428	7	7247	387
		1957	17	7769	5.4	420	8	8585	472			
		1958	15	7305	5.5	401	6	7865	440			
		1959	6	7802	5.7	440	3	7573	426			
		1960	1	8850	5.4	474						
	BROWN SWISS	1957	5	9546	4.1	388	1	11030	429	1	10322	410
		1958	1	16780	3.9	659						
		1959	7	11476	4.2	463	5	11430	461			
		1960	2	11265	4.1	470	2	8790	387			
	ALL BREEDS	1950	3	11253	3.8	421	2	11315	406			
		1951	21	11507	4.1	446	13	11530	443			
		1952	66	11498	4.1	451	44	11283	441			
		1953	112	11669	4.0	450	78	11907	450	66	10760	409
		1954	175	11450	3.9	426	143	11958	434	108	11841	430
		1955	178	11166	3.9	426	154	11713	435	123	11992	433
		1956	207	11397	3.9	427	191	12018	447	127	12327	440
		1957	181	11097	3.9	422	158	12225	457	104	12474	446
		1958	152	11691	3.8	435	125	12035	446	51	12755	459
		1959	122	12253	3.8	454	114	12316	453	45	12530	452
		1960	16	11874	3.8	448	14	12423	465	7	12437	451

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERO AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AVERAGE FAT LB.
001	GUERNSEY	1950	1	8780	4.3	379						
		1951	10	7430	4.9	361						
		1952	20	7738	4.8	369	2	8145	407			
		1953	21	7894	4.9	382	13	8702	419			
		1954	33	9062	4.8	432	17	8673	419	15	8198	395
		1955	33	8411	4.8	405	28	8862	426	25	8606	418
		1956	31	8542	4.7	401	29	9149	433	27	8988	421
		1957	23	9074	4.8	429	29	9252	430	25	8937	427
		1958	10	8906	4.6	409	20	9934	457	18	9001	422
		1959	10	9667	4.4	427	7	7990	383	6	9036	424
	1960	2	10390	4.5	466	10	8954	409	9	9277	438	
	HOLSTEIN	1954	10	12125	3.6	428	2	9370	445	1	9385	43
		1955	18	12152	3.6	435	6	13808	486	6	12582	432
		1956	26	11928	3.6	430	14	12811	457	11	12523	444
		1957	27	13412	3.6	476	21	13462	481	20	12140	440
		1958	31	12217	3.5	429	20	14542	523	18	12869	467
		1959	22	14160	3.6	503	25	12818	476	16	13870	505
		1960	7	14156	3.4	472	21	14041	519	21	14046	525
	JERSEY	1950	1	7860	5.5	429	6	12370	486	5	13499	499
		1951	6	8325	5.4	444						
		1952	10	8058	5.3	423	1	10200	515			
		1953	14	7791	5.5	427	4	7888	430			
		1954	18	8638	5.5	468	8	8135	440			
		1955	15	8122	5.6	447	13	8327	458	8	7788	410
		1956	18	8413	5.4	454	17	8817	478	16	8300	447
		1957	13	8020	5.6	446	15	8668	464	12	7885	439
		1958	21	8447	5.5	465	15	8757	475	16	8105	431
		1959	14	8310	5.7	472	13	8279	459	11	7806	420
	1960	2	9500	5.5	519	14	8765	464	14	8251	443	
	M. SHORTHORN	1954	1	4670	3.8	178	11	8875	466	11	8643	459
		1955	1	11600	4.5	518	2	8300	440	1	7979	403
		1956	3	9433	3.9	378						
		1957	1	10250	4.2	436						
	ALL BREEDS	1950	2	8320	4.9	404						
		1951	16	7766	5.1	392	1	10200	515			
		1952	30	7844	5.0	387	6	7973	422			
		1953	35	7853	5.1	400	21	8486	427			
		1954	62	9362	4.8	438	30	8523	436	23	8055	400
		1955	67	9399	4.7	424	51	9429	450	48	9003	427
		1956	78	9676	4.5	422	58	9909	447	50	9501	430
1957		64	10708	4.4	452	67	10452	453	63	9710	428	
1958		62	10406	4.4	438	53	11267	483	47	10202	439	
1959		46	11403	4.4	477	46	10850	458	36	10879	467	
1960	11	12625	4.0	480	42	11477	479	41	11549	488		
002	GUERNSEY	1952	2	8920	4.8	427	10	10956	468	7	12123	476
		1953	1	8610	5.2	450						
		1954	5	8506	4.8	409	2	9170	441			
		1955	2	6225	5.0	310	1	10260	483	1	9232	441
		1956	3	6003	4.9	292	4	8258	385	3	8233	391
		1957	1	5580	4.5	251	2	7165	350	2	7249	347
		1959	3	10750	4.8	520	3	5533	269	3	5472	267
	HOLSTEIN	1950	2	14555	4.0	581	1	5570	264	1	6344	293
		1951	6	14018	3.6	500	1	9500	514	2	8884	449
		1952	8	14050	3.6	499						
		1953	20	14436	3.6	513	3	19660	735			
		1954	36	13923	3.6	494	7	12530	441			
		1955	31	13603	3.6	487	3	13090	478			
		1956	26	14018	3.6	500	16	14033	493	13	13035	473
		1957	19	13234	3.6	481	25	14107	502	28	13073	477
		1958	10	13926	3.7	516	25	13835	510	27	13296	489
		1959	9	14868	3.6	540	22	13975	511	19	12962	463
	JERSEY	1950	1	6460	5.3	339	16	14277	529	12	13084	478
		1951	10	7500	5.6	411	9	13714	513	7	14201	515
		1952	16	8585	5.4	458	8	15788	575	9	15542	569
		1953	23	8752	5.5	476						
		1954	20	8511	5.3	452						
		1955	21	8140	5.3	433						
		1956	19	8073	5.2	419						
		1957	11	8575	5.1	430						
		1958	19	8473	5.0	429						
		1959	15	7860	5.2	400						
	ALL BREEDS	1950	3	11857	4.4	500	1	9090	473			
		1951	16	9944	4.8	444						
		1952	26	10292	4.8	468						
		1953	44									

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF GIRLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREE, BY YEAR OF FRESHENING

STUD	BREE	FRESHENING YEAR	RECORDS				305-DAY CONTEMPORARY			YEARLY HERO AVERAGE		
			NO.	MILK LB.	TEST PCT.	FAT LB.	RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AVERAGE FAT LB.
		1954	61	11705	4.2	473	46	11561	475	46	11465	469
		1955	54	11205	4.3	459	43	11584	485	46	11191	463
		1956	48	11164	4.3	455	40	11174	465	36	10551	438
		1957	31	11334	4.2	455	26	11973	490	22	10779	448
		1958	29	10353	4.6	459	19	11176	488	17	10767	472
		1959	27	10517	4.6	460	23	11227	503	23	11577	509
		1960	1	4900	5.8	286	1	9096	473			
003	GUERNSEY	1949	2	9625	5.0	479						
		1950	3	8673	4.7	412	1	9360	441			
		1951	3	9547	5.0	477	1	10290	486			
		1952	4	8848	4.8	424	1	8810	424			
		1953	3	8400	4.9	415	2	7890	380	1	8938	426
		1954	2	9170	4.9	447	1	9150	466	1	9352	453
		1955	2	10145	5.2	517	1	8190	416	1	9374	469
		1956	1	8280	5.3	437	1	10890	512	1	8862	453
		1958	1	11210	5.1	571				1	9963	476
		1959	1	11170	5.1	566	1	11850	518	1	10693	496
	JERSEY	1950	3	8063	5.4	433	1	8720	456			
		1951	4	7743	5.2	404	3	8323	452			
		1952	2	9145	5.1	471	2	8020	450			
		1953	2	8965	5.2	464	1	8850	457			
		1954	1	7250	5.0	366	1	7960	419	1	8513	459
		1955	2	8760	4.9	432	2	8600	421	2	8263	434
		1956	1	7580	4.9	372	1	11470	570	1	8557	451
		1957	1	10300	5.0	515	1	9520	544	1	9570	519
ALL BREES		1949	2	9625	5.0	479						
		1950	6	8368	5.0	423	2	9040	449			
		1951	7	8516	5.1	435	4	8815	460			
		1952	6	8947	4.9	440	3	8283	441			
		1953	5	8626	5.0	435	3	8210	406	1	8938	426
		1954	3	8530	4.9	420	2	8565	443	2	8933	456
		1955	4	9453	5.0	474	3	8463	419	3	8633	446
		1956	2	7930	5.1	405	2	11180	541	2	8710	452
		1957	1	10300	5.0	515	1	9520	544	1	9570	519
		1958	1	11210	5.1	571				1	9963	476
		1959	1	11170	5.1	566	1	11850	518	1	10693	496

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUO	BREED	FRESHENING YEAR	RECOROS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERO AVERAGE		
							RECOROS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AVERAGE FAT LB.
001	GUERNSEY	1947	1	7880	4.9	383						
		1948	4	8025	4.6	366						
		1949	11	7490	4.8	359						
		1950	7	7496	4.6	346						
		1951	13	7468	4.9	369	1	10640	423			
		1952	12	8088	4.8	389	1	13410	505			
		1953	20	8630	4.8	413	7	11209	481	2	9271	419
		1954	24	8421	4.9	410	10	10532	471	3	8669	418
		1955	24	8640	4.7	404	9	9611	437			
		1956	18	7755	4.7	364	14	9051	414	11	9090	416
		1957	13	8567	4.9	417	10	10438	453	8	9776	426
		1958	6	7770	4.9	379	5	9364	419	5	9315	426
		1959	8	10905	4.6	492	5	11372	487	3	11598	467
	HOLSTEIN	1947	2	14970	3.6	542						
		1948	7	13336	3.9	515						
		1949	7	14487	3.7	531	1	9080	464			
		1950	8	14681	3.8	558	3	12717	503			
		1951	17	12148	3.8	459	8	10750	411			
		1952	21	12107	3.7	452	10	12061	463			
		1953	28	13900	3.7	508	20	12742	486	5	10305	375
		1954	35	14591	3.7	533	29	13336	513	6	11638	432
		1955	24	13987	3.8	527	22	12494	503	1	12066	439
		1956	45	13907	3.8	520	39	12356	487	35	12033	471
		1957	35	14107	3.7	519	31	12590	492	25	11315	450
		1958	41	13777	3.7	501	33	12971	492	24	12584	489
		1959	39	15109	3.5	531	38	14710	518	26	15251	525
	1960	8	14641	3.4	489	6	15845	541	6	15707	508	
	JERSEY	1948	1	5630	5.6	315						
		1949	5	6502	5.7	369						
		1950	2	5960	6.4	383						
		1951	4	6373	5.9	371						
		1952	8	6304	5.4	339	1	7320	389			
		1953	13	7021	5.4	375	1	7320	360			
		1954	12	7198	5.6	396	3	7890	421	3	6293	341
		1955	8	6940	5.4	375	3	6813	337	3	9091	367
		1956	11	7215	5.4	393	1	6250	323	1	6791	365
		1957	6	6852	4.7	328	2	7175	372	2	6971	373
		1958	15	9705	4.9	461	5	8296	438	1	7543	384
		1959	8	10233	5.2	524	5	9938	500	5	8513	436
		1960	5	9602	5.0	474	4	8050	396	4	9143	455
BROWN SWISS	1949	1	11980	4.1	491							
	1950	1	12490	4.0	503							
	1951	1	11290	4.4	496							
	1952	5	10800	4.1	436							
	1953	11	11489	4.0	462							
	1954	5	11720	3.9	454							
	1958	2	9250	3.6	337	1	9560	419	1	8513	342	
	1959	12	12623	4.3	534	5	11984	486	3	11823	467	
1960	4	11438	4.2	489	2	12845	520	1	8164	317		
M. SHORTHORN	1957	1	4620	3.8	174	1	10960	423				
ALL BREEDS	1947	3	12607	4.0	499							
	1948	12	10923	4.3	449							
	1949	24	9512	4.6	417	1	9080	464				
	1950	18	10796	4.4	455	3	12717	503				
	1951	35	9725	4.5	417	9	10738	413				
	1952	46	9907	4.3	414	12	11778	460				
	1953	72	10826	4.3	450	28	12165	480	7	10009	388	
	1954	76	11286	4.4	467	42	12279	497	12	9560	406	
	1955	56	10689	4.4	453	34	11230	471	4	9835	385	
	1956	74	11416	4.2	463	54	11386	465	47	11232	455	
	1957	55	11834	4.1	468	44	11818	476	35	10715	440	
	1958	64	12118	4.1	475	44	11952	476	31	11763	471	
	1959	67	13580	4.0	526	53	13688	511	37	13766	504	
1960	17	12405	4.0	485	12	12747	489	11	12634	471		
002	GUERNSEY	1949	7	10191	4.7	473						
		1950	5	7452	4.9	364						
		1951	6	8168	4.9	402						
		1952	8	7478	5.0	377						
		1953	4	7375	4.9	359				1	9647	495
		1954	5	8452	4.8	403	3	8463	419	3	8448	417
		1958	2	8910	4.7	418	1	7920	426	1	8022	413
	ALL BREEDS	1949	7	10191	4.7	473						
		1950	5	7452	4.9	364						
		1951	6	8168	4.9	402						
		1952	8	7478	5.0	377						
		1953	4	7375	4.9	359				1	9647	495
		1954	5									

STUD	BREED	FRESHENING	RECORDS	MILK	TEST	FAT	305-DAY CONTEMPORARY		AV.	YEARLY	LERO	AVERAGE	
		YEAR 1958	NO. 2	LB. 8710	PCT. 4.7	LB. 418	RECORDS	MILK	FAT	RECORDS	MILK	FAT	
							NO. 1	LB. 7920	LB. 426	NO. 1	LB. 8022	LB. 413	
003	HOLSTEIN	1947	2	9845	3.5	349							
		1948	8	9746	3.6	349							
		1949	8	12248	3.7	445		3	13983	491			
		1950	14	11663	3.6	410		6	14723	523			
		1951	18	10616	3.6	380		4	13563	471			
		1952	15	10422	3.7	383		10	12473	444			
		1953	11	10358	3.7	378		7	11764	425	7	11510	417
		1954	12	10831	3.7	402		9	12633	457	9	11914	432
		1955	12	12774	3.5	437		7	12678	461	8	12868	472
		1956	17	11473	3.7	418		14	12021	437	12	10919	393
		1957	6	9805	3.5	350		4	13988	505	2	14236	494
		1958	6	10020	3.6	356		2	11500	421	2	10747	399
	1959	2	7835	3.6	276		2	9210	333	1	10377	373	
	ALL BREEDS	1947	2	9845	3.5	349							
		1948	8	9746	3.6	349							
		1949	8	12248	3.7	445		3	13983	491			
		1950	14	11663	3.6	410		6	14723	523			
		1951	18	10616	3.6	380		4	13563	471			
		1952	15	10422	3.7	383		10	12473	444			
1953		11	10358	3.7	378		7	11764	425	7	11510	417	
1954		12	10831	3.7	402		9	12633	457	9	11914	432	
1955		12	12774	3.5	437		7	12678	461	8	12868	472	
1956		17	11473	3.7	418		14	12021	437	12	10919	393	
1957		6	9805	3.5	350		4	13988	505	2	14236	494	
1958		6	10020	3.6	356		2	11500	421	2	10747	399	
1959	2	7835	3.6	276		2	9210	333	1	10377	373		
004	HOLSTEIN	1947	4	13633	3.5	479							
		1948	4	12088	3.6	441							
		1949	3	11410	3.4	391							
		1950	2	13180	3.4	451							
	ALL BREEDS	1947	4	13633	3.5	479							
		1948	4	12088	3.6	441							
		1949	3	11410	3.4	391							
		1950	2	13180	3.4	451							

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF GIRLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.			RECORDS NO.	MILK LB.	FAT LB.
001	HOLSTEIN	1950	2	10650	3.5	369	1	12590	445				
		1951	4	13128	3.3	423	1	15110	445				
		1952	3	12650	3.6	458	1	14690	557				
		1953	3	13183	3.4	443	2	12665	435		1	12132	426
		1954	3	9980	3.3	333	2	14285	471				
		1955	2	12935	3.2	410	2	12220	414		2	12939	429
		1956	1	10850	3.3	361	1	12560	422		1	12808	424
		1957	2	12265	3.3	401	2	11085	382		2	12094	412
	JERSEY	1947	8	7459	4.8	358							
		1949	9	6348	5.1	321							
		1950	6	5852	5.0	294							
		1951	10	5537	5.0	280	2	8960	420				
		1952	6	5125	5.1	260							
		1953	4	7568	5.3	346							
		1954	3	7930	5.3	425							
		1955	3	8157	5.0	405	1	8520	451				
		1956	3	9060	4.8	437	2	7295	361				
		1957	1	6660	4.3	284	1	5950	260				
	ALL BREEDS	1947	8	7459	4.8	358							
		1949	9	6348	5.1	321							
		1950	8	7051	4.6	313	1	12590	445				
		1951	14	7706	4.5	321	3	11010	428				
		1952	9	7633	4.6	326	1	14690	557				
		1953	7	9974	4.5	416	2	12665	435		1	12132	426
		1954	6	8455	4.3	379	2	14285	471				
		1955	5	10068	4.3	407	3	10987	426		2	12939	429
		1956	4	9508	4.4	418	3	9050	381		1	12808	424
		1957	3	10397	3.6	362	3	9373	341		2	12094	412

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF Sires IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE			
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AVRAGE FAT LB.	
000	JERSEY	1947	42	7205	5.2	378							
		1948	23	7317	5.3	389							
		1949	11	7686	5.4	416							
		1950	6	9562	5.2	498							
		1951	4	9135	5.7	517							
	ALL BREEDS	1947	42	7205	5.2	378							
		1948	23	7317	5.3	389							
		1949	11	7686	5.4	416							
		1950	6	9562	5.2	498							
		1951	4	9135	5.7	517							
001	HOLSTEIN	1947	1	8630	4.2	362							
		1949	8	10204	3.8	384	4	13248	441				
		1950	14	10026	3.7	363	8	11956	409				
		1951	27	11044	3.8	407	11	11726	397				
		1952	37	11345	3.6	403	20	11731	400				
		1953	46	11920	3.6	422	24	12177	411	24	12731	449	
		1954	44	13325	3.5	456	26	12877	428	28	13331	473	
		1955	49	12872	3.4	437	46	13288	453	46	13899	499	
		1956	63	13494	3.4	451	63	14406	490	63	14321	522	
		1957	33	13205	3.4	450	28	14037	475	28	14992	531	
		1958	2	12305	3.9	477	2	13090	450	2	13413	488	
		1959	8	11846	3.7	439	6	12514	439	6	13811	491	
		ALL BREEDS	1947	1	8630	4.2	362						
			1949	8	10204	3.8	384	4	13248	441			
	1950		14	10026	3.7	363	8	11956	409				
	1951		27	11044	3.8	407	11	11726	397				
	1952		37	11345	3.6	403	20	11731	400				
	1953		46	11920	3.6	422	24	12177	411	24	12731	449	
	002	GUERNSEY	1954	44	13325	3.5	456	28	12877	428	28	13331	473
			1955	49	12872	3.4	437	46	13288	453	46	13899	499
1956			63	13494	3.4	451	63	14406	490	63	14321	522	
1957			33	13205	3.4	450	28	14037	475	28	14992	531	
1958			2	12305	3.9	477	2	13090	450	2	13413	488	
1959			8	11846	3.7	439	6	12514	439	6	13811	491	
HOLSTEIN			1949	11	10540	3.9	412	5	12130	406			
			1950	15	11710	3.7	432	7	12123	402			
		1951	12	10916	3.7	402	9	12446	409				
		1952	8	12878	3.6	458	6	12590	413	7	12647	445	
		1953	8	13280	3.5	462	6	12933	428	6	13331	473	
		1954	17	14270	3.5	495	17	15051	520	17	11890	452	
		1955	28	13378	3.6	476	28	15982	559	28	13410	493	
		1956	15	13307	3.5	463	3	14517	520	3	15347	542	
JERSEY		1957	2	12910	3.5	439	1	11640	399	1	11701	489	
		1958	27	12586	3.5	434	27	12311	438	24	13662	487	
	1959	2	12045	3.2	385	2	12310	437					
	ALL BREEDS	1948	1	5900	5.0	293							
		1949	2	7720	4.7	364							
		1950	3	6260	4.6	285							
		1951	1	8890	4.9	437							
		1955	2	7035	5.6	389							
1956		1	6660	5.5	364								
1957		1	7850	5.2	409								
1958		1	9070	5.3	480	1	8790	436	1	8698	426		
1959	1	6360	4.8	303	1	8220	396	1	8186	399			
003	HOLSTEIN	1948	1	5900	5.0	293							
		1949	3	10350	4.2	414							
		1950	17	9238	4.2	381	5	12130	406				
		1951	19	10987	3.9	425	7	12123	402				
		1952	16	9963	4.0	386	9	12446	409				
		1953	10	11840	3.7	434	6	12590	413	7	12647	445	
		1954	12	11929	4.0	461	7	12257	421	7	12585	460	
		1955	22	13144	3.9	489	19	14581	519	17	11890	452	
		1956	42	12156	4.0	471	37	15134	575	26	13410	493	
		1957	24	11923	4.0	463	5	12616	500	5	12836	504	
	ALL BREEDS	1958	3	11630	4.1	452	2	10215	418	2	11200	458	
		1959	29	12254	3.6	431	29	12103	438	25	13443	483	
		1960	2										

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			AV. FAT LB.	YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.			RECORDS NO.	MILK LB.	FAT LB.
003	HOLSTEIN	1954	4	14470	3.5	506							
		1958	1	16170	3.7	598							
	JERSEY	1953	1	5750	5.0	265	1	6080	324		1	7085	392
		1954	2	8280	5.7	480	2	9015	489		2	8165	439
		1955	1	10180	6.7	684	1	10350	550		1	8905	475
		1956	1	9530	6.5	623	1	9000	475		1	9505	492
		1957	1	8550	6.2	529	1	9650	463		1	9341	469
	ALL BREEDS	1953	1	5750	5.0	265	1	6080	324		1	7085	392
		1954	6	12407	4.2	497	2	9015	489		2	8165	439
		1955	1	10180	6.7	684	1	10350	550		1	8905	475
		1956	1	9530	6.5	623	1	9000	475		1	9505	492
		1957	1	8550	6.2	529	1	9650	463		1	9341	469
		1958	1	16170	3.7	598							

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
001	AYRSHIRE	1960	4	9038	4.1	372	3	9820	379			
001	GUERNSEY	1948	1	7490	6.0	450						
		1949	2	7420	5.3	380						
		1950	1	7020	6.0	419						
		1953	18	8731	4.4	384	14	10520	446	5	7911	368
		1954	25	8230	4.5	364	20	9512	414	21	7414	399
		1955	37	8112	4.6	365	33	9212	397	33	9160	399
		1956	37	8176	4.6	388	35	9548	428	15	8603	419
		1957	32	7919	4.6	369	30	9840	423	8	8103	391
		1958	17	8848	4.7	412	14	8454	389	3	8382	400
		1959	12	8863	4.8	422	11	9130	423	4	8666	412
		1960	1	12090	4.7	566	1	9960	450			
	HOLSTEIN	1947	9	15967	3.3	528						
		1948	3	16890	3.3	555						
		1949	4	16988	3.5	588						
		1950	3	15107	3.6	544						
		1951	1	18580	3.8	712						
		1952	2	12125	3.4	403	2	9830	391			
		1953	257	12402	3.6	447	216	12103	441	15	10592	373
		1954	512	12298	3.6	440	460	12149	440	439	12259	444
		1955	677	12541	3.6	447	633	12577	455	536	12397	450
		1956	739	12625	3.6	451	690	12975	471	64	10799	384
		1957	605	12720	3.6	456	569	13182	475	87	11995	435
		1958	600	13596	3.6	489	565	13294	485	95	12749	474
		1959	695	14147	3.6	505	667	13673	492	135	13773	505
		1960	113	14048	3.5	472	109	14213	502	14	14208	512
	JERSEY	1953	53	8351	5.2	431	31	8009	405			
		1954	66	7231	5.1	371	37	8028	402	39	8231	412
		1955	70	7498	5.3	395	40	7987	412	38	7928	404
		1956	83	7384	5.1	379	38	7706	394	8	7065	363
		1957	50	7629	5.1	392	27	8296	416	2	7861	402
		1958	65	7850	5.1	396	34	7636	394	3	8433	406
		1959	78	8206	5.2	427	64	8109	427	4	7568	521
		1960	22	8059	5.4	430	16	8753	455	1	10573	581
	BROWN SWISS	1958	4	11133	4.4	481	3	9817	399	3	10112	428
		1959	6	10367	4.2	422	4	9288	389	4	10034	416
		1960	2	11545	4.1	470						
	M. SHORTHORN	1958	1	9930	3.9	383						
	ALL BREEDS	1947	9	15967	3.3	528						
		1948	4	14540	4.0	529						
		1949	6	13798	4.1	513						
		1950	4	13085	4.2	513						
		1951	1	18580	3.8	712						
		1952	2	12125	3.4	403	2	9830	391			
		1953	328	11546	3.9	441	261	11531	437			
		1954	603	11574	3.8	430	517	11752	436	20	9922	372
		1955	784	11881	3.8	439	706	12178	450	499	11325	439
		1956	859	11927	3.8	441	763	12556	465	607	11942	444
		1957	687	12126	3.8	447	763	12556	465	87	10112	388
		1958	687	12915	3.8	478	626	12811	470	97	11569	430
		1959	791	13453	3.8	495	616	12855	477	104	12422	469
		1960	142	12930	3.8	479	746	13105	485	147	13418	500
							129	13400	492	15	13965	517
002	HOLSTEIN	1947	7	11217	3.2	360						
		1950	3	12813	3.5	450						
		1953	3	13033	3.4	444	3	14130	507			
		1954	1	10840	3.5	376	1	12420	463	1	14497	525
		1955	1	8150	3.7	298	1	10270	383	1	11096	391
		1957	1	11480	3.3	377	1	11350	383			
	JERSEY	1947	2	6830	5.2	351						
		1948	1	4890	5.5	270						
	ALL BREEDS	1947	9	10242	3.6	358						
		1948	1	4890	5.5	270						
		1950	3	12813	3.5	450						
		1953	3	13033	3.4	444	3	14130	507			
		1954	1	10840	3.5	376	1	12420	463	1	14497	525
		1955	1	8150	3.7	298	1	10270	383	1	11096	391
		1957	1	11480	3.3	377	1	11350	383			

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE			
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AVERAGE FAT LB.	
000	HOLSTEIN	1947	1	15970	3.1	501							
		1948	1	14080	3.2	450							
		1949	1	14060	3.2	453							
	JERSEY	1947	47	7520	5.7	427							
		1948	15	6993	5.9	409	2	8320	509				
		1949	17	7088	5.7	403	1	8380	451				
		1950	7	7171	5.8	417	1	8430	459				
		1951	7	7637	5.6	423	1	8840	485				
		1952	6	7397	5.1	376	1	8420	479				
		1953	3	7530	5.1	380	2	8440	466				
		1954	1	6910	5.4	370							
	ALL BREEDS	1947	48	7696	5.7	429	2	8320	509				
		1948	16	7436	5.7	412	1	8380	451				
		1949	18	7476	5.6	406	1	8430	459				
		1950	7	7171	5.8	417	1	8840	485				
		1951	7	7637	5.6	423	1	8420	479				
		1952	6	7397	5.1	376	2	8440	466				
		1953	3	7530	5.1	380							
		1954	1	6910	5.4	370							
	001	GUERNSEY	1947	7	11823	4.8	566						
			1948	4	11290	4.8	540						
			1949	11	10611	4.7	496	2	9490	430			
			1950	36	9263	4.8	441	11	9590	459			
			1951	68	9227	4.9	446	40	9043	436			
1952			120	8780	4.8	420	91	8980	429				
1953			222	8799	4.8	420	192	9166	430	116	9395	448	
1954			253	8987	4.8	434	234	9192	441	210	9277	447	
1955			306	8974	4.8	427	290	9460	448	232	9202	444	
1956			274	8877	4.8	427	259	9713	456	13	9211	434	
1957			276	8949	4.8	432	262	9780	458	178	9799	468	
1958			178	9405	4.8	447	146	9502	446	17	9032	432	
1959			95	9337	4.8	445	80	9547	461	78	9626	475	
1960			28	10072	4.8	478	24	9773	470	19	9980	481	
HOLSTEIN		1947	7	12691	3.8	479							
		1948	5	10080	3.7	378							
		1949	22	13255	3.6	470	9	13614	491				
		1950	36	13314	3.5	470	20	13133	472				
		1951	94	13372	3.7	488	56	13264	497				
		1952	147	12932	3.6	467	121	12557	464				
		1953	360	12422	3.7	452	330	11885	447	190	12141	460	
		1954	525	12453	3.7	455	490	12214	454	433	11855	448	
		1955	602	12651	3.7	465	572	12178	463	451	12256	462	
		1956	652	12874	3.7	475	616	12520	474	13	11154	420	
1957	751	12902	3.7	473	718	12515	472	544	12479	470			
1958	818	13698	3.7	503	721	12986	493	132	13112	485			
1959	694	14303	3.6	510	651	13713	503	613	13588				

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	AV. LB.	RECORDS NO.	MILK LB.	FAT LB.
001	GUERNSEY	1953	866	10098	4.5	441	700	10218	440	437	10388	459
		1954	1076	10409	4.4	445	901	10612	446	795	10510	449
		1955	1155	10754	4.4	453	1009	10843	457	811	10801	456
		1956	1156	11098	4.3	464	1016	11290	470	27	10046	425
		1957	1219	11350	4.2	464	1097	11516	471	824	11478	471
		1958	1294	12043	4.2	492	1001	11970	486	191	11850	478
		1959	1090	12507	4.2	502	950	12304	495	930	12166	496
		1960	298	12218	4.3	502	261	11941	497	258	12191	503
		ALL BREEDS	1953	2	10315	4.8	493	2	9360	451	1	8676
	1954		8	9459	4.7	437	8	9618	448	6	9198	438
	1955		7	9196	4.8	442	7	8766	420	5	10290	477
	1956		6	9032	4.7	420	6	8892	411	1	8437	389
	1957		5	9430	4.6	438	5	9716	458	2	9462	454
	1958		7	8833	4.8	420	6	10517	514	4	10396	500
	1959		2	8715	4.5	390	2	10720	541	2	11058	550
	1960		1	10210	4.5	460	1	10360	519	1	10998	518
002	GUERNSEY	1953	2	10315	4.8	493	2	9360	451	1	8676	420
		1954	8	9459	4.7	437	8	9618	448	6	9198	438
		1955	7	9196	4.8	442	7	8766	420	5	10290	477
		1956	6	9032	4.7	420	6	8892	411	1	8437	389
		1957	5	9430	4.6	438	5	9716	458	2	9462	454
		1958	7	8833	4.8	420	6	10517	514	4	10396	500
		1959	2	8715	4.5	390	2	10720	541	2	11058	550
		1960	1	10210	4.5	460	1	10360	519	1	10998	518
		ALL BREEDS	1953	2	10315	4.8	493	2	9360	451	1	8676
	1954		8	9459	4.7	437	8	9618	448	6	9198	438
	1955		7	9196	4.8	442	7	8766	420	5	10290	477
	1956		6	9032	4.7	420	6	8892	411	1	8437	389
	1957		5	9430	4.6	438	5	9716	458	2	9462	454
	1958		7	8833	4.8	420	6	10517	514	4	10396	500
	1959		2	8715	4.5	390	2	10720	541	2	11058	550
	1960		1	10210	4.5	460	1	10360	519	1	10998	518
003	GUERNSEY	1956	1	8910	4.7	423	1	11440	473			
		1957	2	10560	4.7	487	2	11410	522	2	10344	492
		1958	1	12140	4.2	509	1	7430	339	1	9123	434
		1959	2	9785	5.1	492	2	10530	518	1	10987	529
	HOLSTEIN	1953	6	14250	3.7	530	6	13273	479	3	12895	447
		1954	9	13849	3.6	509	9	13327	474	7	13285	481
		1955	12	12931	3.7	476	12	12994	490	10	13447	490
		1956	17	13405	3.6	485	17	13556	495	3	12379	476
		1957	17	13452	3.6	486	17	13349	485	13	12954	474
		1958	18	14603	3.5	513	15	12653	466			
		1959	8	13843	3.7	507	8	14346	525	8	12479	517
		1960	3	16180	3.6	575	3	15450	584	3	15667	574
	JERSEY	1953	2	7865	5.8	452	1	8670	449	1	7456	408
		1954	1	7050	5.8	411						
		1955	1	8120	6.0	490						
		1956	2	9225	5.4	498						
1957		2	9300	5.5	507							
ALL BREEDS	1953	8	12654	4.2	510	7	12616	474	4	11535	437	
	1954	10	13169	3.9	499	9	13327	474	7	13285	481	
	1955	13	12561	3.9	477	12	12994	490	10	13447	490	
	1956	20	12763	3.9	485	18	13439	493	3	12379	476	
	1957	21	12781	3.9	488	19	13145	489	15	12606	477	
	1958	19	14474	3.6	513	16	12326	458	1	9123	434	
	1959	10	13031	3.9	504	10	13583	524	9	12313	519	
	1960	3	16180	3.6	575	3	15450	584	3	15667	574	
004	GUERNSEY	1947	13	7677	5.1	387	1	8940	383			
		1948	12	7617	5.1	386	1	8380	341			
		1949	6	8308	5.3	436	2	9300	420			
		1950	5	8344	5.4	454	1	9360	519			
		1951	7	8236	5.6	457	4	8820	426			
		1952	5	8704	5.3	456	3	9123	419			
		1953	3	8813	5.4	471	1	9740	399	1	9341	505
		1954	3	8963	5.0	435	1	9680	423	1	8077	428
		1955	3	7790	5.4	424				1	7826	426
	HOLSTEIN	1947	19	11594	3.7	423						
		1948	17	9646	3.7	349						
		1949	15	10663	3.8	399	3	12280	459			
		1950	5	14320	3.8	542	1	17540	662			
		1951	2	14680	4.0	594	2	13360	496			
		1952	5	13620	3.7	504	3	14107	510			
		1953	5	14166	3.8	533	5	13444	499	5	12376	468
1954		5	14446	3.7	529	5	13084	470	4	13374	492	
1955		3	14060	3.7	515	3	13117	501	3	10842	405	
1956		3	15113	3.5	540	3	14290	514				
1957		2	13905	3.8	520	2	13985	504	2	12154	458	
1958		2	13490	3.5	467	2	14680	507				
1959		2	12120	3.8	457	2	12650	467	1	11282	419	
JERSEY	1947	4	7890	5.1	395							
	1948	4	7928	5.8	463	1	8510	432				
	1949	5	8486	5.5	457	1	8440	427				
	1950	2	8470	5.6	462	1	8410	461				

STUO	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY RECORDS NO.	HERD MILK LB.	AVERAGE FAT LB.
							RECORDS NO.	MILK LB.	AV. FAT LB.			
005	ALL BREEDS	1952	1	7990	6.1	487	1	8226	424	1	9461	530
		1954	1	9560	6.3	601	1	8980	476			
		1947	36	9768	4.3	407	1	8940	383			
		1948	33	8700	4.5	376	2	8445	387			
		1949	26	9701	4.5	419	6	10647	441			
		1950	12	10855	4.8	492	3	11770	547			
		1951	11	9035	5.4	464	7	10050	450			
		1952	11	10874	4.6	480	7	11130	459			
		1953	8	12159	4.4	510	6	12827	483			
		1954	9	12076	4.4	506	7	12011	464			
		1955	6	10925	4.6	470	3	13117	501			
		1956	3	15113	3.5	540	3	14290	514			
		1957	2	13905	3.8	520	2	13965	504			
		1958	2	13490	3.5	467	2	14680	507			
		1959	2	12120	3.8	457	2	12650	467			
		1947	5	10556	4.9	513	5	8916	455			
		1948	13	9005	5.0	452						
		1949	19	8532	5.1	430						
		1950	35	8909	5.1	450						
	1951	63	9199	5.1	464							
1952	115	8912	5.0	449								
1953	141	8198	5.0	409								
1954	129	8804	5.1	450								
1955	115	8660	5.1	437								
1956	86	9178	5.1	463								
1957	81	9179	5.0	461								
1958	65	9227	4.9	452								
1959	31	9691	5.0	477								
1960	14	10424	4.8	498								
HOLSTEIN	1947	1	15440	3.2	497	1				15510	537	
	1948	4	13850	3.3	455							
	1949	5	13734	3.2	434							
	1950	7	13354	3.4	456							
	1951	42	14159	3.5	491							
	1952	86	13947	3.5	484							
	1953	123	13144	3.5	462							
	1954	167	13234	3.6	477							
	1955	160	13177	3.6	473							
	1956	152	12727	3.7	466							
	1957	127	12545	3.6	449							
	1958	90	13494	3.6	487							
	1959	52	14048	3.5	496							
	1960	8	11629	3.6	415							
	JERSEY	1947	16	8486	5.9		503	2	7710			401
		1948	22	8812	5.9		512					
		1949	26	9188	5.9		537					
		1950	25	8986	6.0		540					
		1951	25	8638	5.8		498					
1952		40	8547	5.8	491							
1953		28	8788	5.7	501							
1954		28	8570	5.7	485							
1955		25	8362	5.5	457							
1956		15	8857	5.5	481							
1957		10	9110	5.6	508							
1958		12	9115	5.5	501							
1959		6	9082	5.3	481							
1960		3	8807	5.6	489							
M. SHORTHORN		1957	4	9080	3.9	357	1			9160	366	
		1958	2	10275	4.4	446						
		1959	2	12160	3.7	457						
		1960	1	12750	3.4	427						
ALL BREEDS		1947	22	9272	5.6	505	2			7710	401	
	1948	39	9393	5.3	486							
	1949	50	9393	5.3	486							
	1950	67	9402	5.2	484							
	1951	130	10693	4.7	479							
	1952	241	10648	4.6	468							
	1953	292	10338	4.4	440							
	1954	324	11068	4.4	467							
	1955	300	11045	4.3	458							
	1956	253	11291	4.3	466							
	1957	222	11100									

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIKES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	365-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
008		1950	6	6382	4.9	312						
		1951	1	6040	5.4	327						
	JERSEY	1959	1	8760	5.0	439						
	ALL BREEDS	1947	1	5760	4.2	242						
		1948	12	8013	5.2	417						
		1949	13	6120	4.9	307						
		1950	6	6382	4.9	312						
		1951	1	6040	5.4	327						
		1959	1	8760	5.0	439						
	GUERNSEY	1954	1	8150	4.6	378	1	7000	297			
		1955	1	7630	4.9	377	1	8310	356	1	7303	317
	JERSEY	1947	3	7513	5.4	408	1	8120	430			
		1948	4	8143	5.2	418	1	9870	518			
		1949	2	9075	5.6	504	1	10460	560			
		1950	1	8350	5.6	468						
		1951	1	8630	5.2	453	1	9150	476			
		1952	1	4520	4.9	222	1	7930	407			
		1953	1	6180	4.6	286	1	8020	429	1	7794	421
	ALL BREEDS	1947	3	7513	5.4	408	1	8120	430			
		1948	4	8143	5.2	418	1	9870	518			
		1949	2	9075	5.6	504	1	10460	560			
		1950	1	8350	5.6	468						
		1951	1	8630	5.2	453	1	9150	476			
		1952	1	4520	4.9	222	1	7930	407			
		1953	1	6180	4.6	286	1	8020	429	1	7794	421
		1954	1	8150	4.6	378	1	7000	297			
		1955	1	7630	4.9	377	1	8310	356	1	7303	317
009	HOLSTEIN	1949	1	15350	3.3	513	1	14670	504			
		1950	14	15805	3.4	539	5	15762	546			
		1951	21	15060	3.6	534	11	15010	541			
		1952	16	14637	3.5	509	13	14404	516			
		1953	21	13401	3.5	464	21	13176	466	12	14500	518
		1954	13	13590	3.4	465	13	13107	470	12	12660	450
		1955	9	13383	3.6	481	9	13286	474	6	13582	492
		1956	8	13534	3.5	478	7	13190	494			
		1957	7	15537	3.5	542	7	14354	516	6	13703	491
		1958	10	14426	3.7	523	7	14466	536			
		1959	5	15722	3.6	565	5	15022	558	5	14745	535
	ALL BREEDS	1949	1	15350	3.3	513	1	14670	504			
		1950	14	15805	3.4	539	5	15762	546			
		1951	21	15060	3.6	534	11	15010	541			
		1952	16	14637	3.5	509	13	14404	516			
		1953	21	13401	3.5	464	21	13176	466	12	14500	518
		1954	13	13590	3.4	465	13	13107	470	12	12660	450
		1955	9	13383	3.6	481	9	13286	474	6	13582	492
		1956	8	13534	3.5	478	7	13190	494			
		1957	7	15537	3.5	542	7	14354	516	6	13703	491
		1958	10	14426	3.7	523	7	14466	536			
		1959	5	15722	3.6	565	5	15022	558	5	14745	535

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF GIRLS IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUO	BREEO	FRESHENING YEAR	RECOROS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPCRARY			YEARLY HERO AVERAGE			
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AVERAGE FAT LB.	
001	GUERNSEY	1947	3	8817	4.4	396							
		1948	4	8373	4.6	380	1	9780	438				
		1949	10	8647	4.8	418	1	8660	422				
		1950	11	9300	4.8	445	4	9333	424				
		1951	28	9040	4.7	430	16	9886	465				
		1952	83	8809	4.8	421	63	9515	450				
		1953	190	8258	4.9	400	167	9013	423	118	9117	434	
		1954	256	8363	4.8	404	237	8962	420	206	9092	429	
		1955	293	8286	4.8	398	275	9108	418	248	9061	420	
		1956	229	8597	4.7	402	205	9541	431	188	9215	421	
		1957	229	8576	4.8	407	204	9722	440	180	9489	432	
		1958	177	8841	4.7	417	152	9962	435	115	9687	435	
		1959	65	9264	4.6	423	53	9313	433	27	9771	456	
		1960	14	8455	4.6	385	14	9345	404	7	9558	426	
		HOLSTEIN	1949	3	14403	3.7	539	1	15680	551			
			1950	9	14013	3.5	490	5	13906	478			
	1951		22	13674	3.8	513	12	13628	540				
	1952		60	12328	3.9	469	52	11353	459				
	1953		134	11423	3.8	433	124	10764	431			418	
	1954		234	11596	3.8	435	218	10916	430	184	10788	432	
	1955		343	11866	3.7	440	354	11250	441	278	11124	441	
	1956		456	11988	3.7	446	435	11764	454	343	11240	439	
	1957		529	12155	3.7	447	496	11824	453	453	11520	448	
	1958		509	12469	3.7	454	402	12261	464	305	11875	454	
	1959		256	13491	3.6	480	241	12978	485	133	12926	489	
	1960		82	13520	3.6	487	78	13289	492	41	12581	474	
	JERSEY		1948	6	7273	5.5	400	1	8430	449			
			1949	27	9003	5.5	494	4	9293	503			
		1950	71	8772	5.6	492	20	9368	509				
		1951	118	8608	5.5	469	46	8661	470				
		1952	270	8378	5.5	458	130	8806	473				
		1953	390	8319	5.4	448	220	8496	454	146	8555	454	
		1954	408	8425	5.4	453	241	8506	455	230	8728	463	
		1955	417	8215	5.3	437	209	8509	450	194	8672	460	
		1956	415	8423	5.2	439	224	8698	455	205	8813	462	
		1957	392	8361	5.2	436	198	9107	472	186	8669	450	
		1958	372	8580	5.3	452	196	9043	481	187	9052	478	
		1959	371	8910	5.4	478	292	8907	478	205	9218	496	
	1960	151	8870	5.3	471	119	9022	477	76	8891	469		
	BROWN SWISS	1954	1	8220	5.2	428							
1955		4	10060	4.4	438								
1956		2	10820	4.5	482								
1957		17	12299	4.3	526	10	10792	453	10	10610	447		
1958		37	11667	4.3	503	24	11415	493	24	10336	447		
1959		14	11904	4.2	496	6	11652	460	5	11478	463		
1960		4	12093	4.1	497	4	10913	445	2	13418	524		
ALL BREEOS	1947	3	8817	4.4	396								
	1948	10	7713	5.2	392	2	9105	444					
	1949	40	9319	5.2	478	6	10252	498					
	1950	91	9354	5.3	486	29	10146	492					
	1951	168	9343	5.1	468	74	9731	480					
	1952	413	9039	5.1	452	245	9529	464					
	1953	714	8885	5.0	432	511	9215	438	328	9101	440		
	1954	899	9238	4.8	434	696	9416	436	620	9460	443		
	1955	1057	9426	4.7	427	818	9822	436	720	9753	439		
	1956	1102	9939	4.5	434	864	10442	449	736	10047	441		
	1957	1167	10181	4.4	436	908	10748	454	829	10428	445		
	1958	1095	10534	4.4	449	774	10968	464	631	10581	458		
	1959	706	10663	4.6	474	592	10628	476	370	10622	490		
	1960	251	10417	4.7	472	215	10627	477	126	10201	469		
	002	GUERNSEY	1950	1	9150	4.6	420	1	8370	408			
			1952	3	7550	5.0	375	3	7983	404			
1953			6	8132	5.2	428	6	9467	486	2	8851	453	
1954			7	8263	5.0	416	7	9801	460	7	10376	502	
1955			8	8478	5.1	433	7	8797	429	6	9717	489	
1956			7	8364	4.9	418	6	9148	466	5	8533	482	
1957			5	9446	5.2	495	5	9480	486	5	8971	459	
1958			8	9400	4.7	434	6	9247	444	5	9376	463	
1959			5	9756	4.7	450	4	8405	414	3	10028	510	
1960			1	9200	4.1	375	1	11180	479	1	8371	392	
HOLSTEIN			1951	1	10360	4.1	427						
			1952	1	8450	4.4	374						
		1953	2	8890	3.7	325	1	9540	407	1	9963	448	
		1954	5	12176	3.7	456	5	11322	434	4	11494	457	
		1955	10	11110	3.7	414	10	10484	403	6	11414	445	
		1956	9	11100	3.5	386	9	11319	424	6	10693	417	
		1957	5	11386	3.4	382	5	12648	459	4	11124	428	
		1958	13										

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
		1959	12	14182	3.4	480				11	13229	473
		1960	1	11160	3.2	353				1	14039	501
	JERSEY	1951	4	9965	5.4	538	3	8087	469			
		1952	14	9541	5.3	499	9	8462	474			
		1953	14	9619	5.3	502	9	8287	453	9	8954	481
		1954	8	8683	5.4	457	5	9248	467	2	9516	493
		1955	9	8308	5.1	423	5	8698	481	1	7881	443
		1956	6	7562	5.0	373	2	8345	481	2	7687	428
		1957	3	7683	5.0	378	2	8345	430	2	8437	430
		1958	5	9004	5.4	487	3	10440	559	1	9374	489
		1959	3	8323	5.1	429	3	9087	483	3	9403	508
	ALL BREEDS	1950	1	9150	4.6	420	1	8370	408			
		1951	5	10044	5.1	515	3	8087	469			
		1952	18	9149	5.2	471	12	8343	457			
		1953	22	9147	5.1	466	16	8808	463	12	9021	474
		1954	20	9409	4.8	442	17	10086	455	13	10588	487
		1955	27	9396	4.6	423	22	9541	429	13	10359	465
		1956	22	9265	4.3	393	17	10203	445	13	9430	444
		1957	13	9785	4.5	425	12	10611	465	11	9656	442
		1958	26	12019	4.3	496	21	11643	474	13	11085	463
		1959	20	12197	3.9	465	19	11522	464	17	11989	485
		1960	2	10180	3.7	364	1	11180	479	2	11205	447
003	GUERNSEY	1947	2	10250	4.8	493						
		1948	1	5760	5.6	321						
		1949	4	9090	4.7	429	2	8460	424			
		1950	7	9427	4.4	414	5	8948	431			
		1951	9	9873	4.7	459	6	9080	443			
		1952	8	9615	4.6	432	6	9362	471			
		1953	7	9026	4.4	395	6	8410	419	6	9196	452
		1954	7	8733	4.4	382	6	8413	413	6	8595	426
		1955	5	9200	4.0	368	5	8730	428	5	9040	450
		1956	4	9298	4.5	420	4	8838	454	4	9306	470
		1957	2	9370	4.4	418	2	10085	496	2	8955	456
		1958	2	9105	4.4	406	2	10225	508	2	9821	495
	JERSEY	1947	2	9200	5.4	491						
		1948	12	8273	5.2	431						
		1949	15	8301	5.5	452	1	8160	402			
		1950	13	8375	5.3	441	1	10400	547			
		1951	13	8140	5.4	434	2	7605	410			
		1952	9	7097	5.3	369	2	8545	462			
		1953	6	8613	5.3	450	4	7255	382	3	6994	374
		1954	3	8627	5.2	438	1	7250	414	2	7467	388
		1955	1	5380	6.7	361				1	6954	402
	ALL BREEDS	1947	4	9725	5.1	492						
		1948	13	8080	5.2	422						
		1949	19	8467	5.3	447	3	8360	416			
		1950	20	8743	5.0	432	6	9190	451			
		1951	22	8849	5.1	444	8	8711	435			
		1952	17	8282	5.0	399	8	9158	469			
		1953	13	8635	4.8	421	10	7948	404	9	8462	426
		1954	10	8701	4.6	399	7	8247	413	6	8313	417
		1955	6	8563	4.5	367	5	8730	428	6	8693	442
		1956	4	9298	4.5	420	4	8838	454	4	9306	470
		1957	2	9370	4.4	418	2	10085	496	2	8955	456
		1958	2	9105	4.4	406	2	10225	508	2	9821	495

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIREN IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TLST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	AVERAGE FAT LB.
001	GUERNSEY	1948	12	7598	4.7	350						
		1949	38	7770	4.9	379						
		1950	39	7203	4.8	346						
		1951	32	6680	4.8	319						
		1952	10	5855	4.8	284						
		1954	7	9567	5.1	490	7	10613	496			
		1955	19	8711	4.8	413	19	8993	419			
		1956	21	8480	4.7	399	21	8609	405			
		1957	21	8316	4.9	406	21	8146	407			
		1959	1	7820	4.8	377	1	8270	401			
	1960	1	9360	5.1	473	1	7750	370				
	HOLSTEIN	1950	2	14855	4.3	633	1	14780	528			
		1951	5	12558	4.1	513	2	13060	497			
		1952	12	11798	3.8	446	8	12905	476			
		1953	14	12146	3.7	451	11	13265	476			
		1954	30	12876	3.8	489	24	13835	518			
		1955	37	13124	3.7	486	32	14232	512			
		1956	35	13037	3.7	482	29	12844	488			
		1957	39	15057	3.8	569	21	13775	517			
		1958	39	14382	3.7	524	30	14280	523	1	15729	540
		1959	77	15561	3.7	566	76	15149	559	3	14882	530
	1960	15	14957	3.5	531	15	14721	541				
	JERSEY	1951	2	10285	5.1	520						
		1952	6	10450	4.9	513						
		1953	16	10101	5.4	548						
		1954	15	11266	5.2	581						
		1955	6	9040	5.2	467	1	8040	424	1	8197	432
		1956	5	8040	5.5	442	2	8565	442	2	8442	441
		1957	7	8516	5.2	448	2	8345	414	2	8987	451
		1958	7	10489	5.3	553	4	9873	529	1	9625	474
		1959	16	10911	5.6	607	14	10514	551	3	9447	509
		1960	7	11500	5.6	635	7	10434	534	1	8448	482
	ALL BREEDS	1948	12	7598	4.7	350						
		1949	38	7770	4.9	379						
		1950	41	7576	4.8	360	1	14780	528			
		1951	39	7619	4.7	354	2	13060	497			
		1952	28	9387	4.4	403	8	12905	476			
		1953	30	11055	4.6	502	11	13265	476			
		1954	52	11966	4.4	515	31	13107	513			
		1955	62	11376	4.2	462	52	12199	476	1	8197	432
1956		61	11059	4.2	451	52	10969	453	2	8442	441	
1957		67	12261	4.3	505	44	10841	460	2	8987	451	
1958		46	13789	3.9	528	34	13761	523	2	12677	507	
1959		94	14687	4.0	571	91	14360	556	6	12164	520	
1960		23	13662	4.2	560	23	13113	532	1	8448	482	
002	GUERNSEY	1958	1	6240	4.5	281						
		1959	1	6890	4.8	331	1	9800	472	1	10355	505
	ALL BREEDS	1958	1	6240	4.5	281						
		1959	1	6890	4.8	331	1	9800	472	1	10355	505
003	GUERNSEY	1955	3	7703	5.2	397	1	11950	455	1	7761	286
		1956	2	8595	4.6	388	1	11410	425	1	9875	367
		1957	2	10105	4.4	442	1	12356	414	1	11925	458
		1958	1	9730	5.1	496	1	9880	471			
		1959	1	10500	5.0	529	1	11000	520	1	11772	505
	HOLSTEIN	1954	1	11840	3.9	461	1	15570	580			
		1955	4	10348	3.7	387	4	11928	444	2	7652	292
		1956	5	7916	3.6	288	5	10604	385	3	7238	288
		1957	4	13728	3.5	479	4	15028	510	1	6278	237
		1958	6	16553	3.6	581	6	15293	554	2	10944	405
		1959	13	17441	3.6	625	13	16879	622			
		1960	20	15236	3.7	560	20	15165	555			
	JERSEY	1956	2	7010	5.1	356						
		1957	1	5570	5.2	289						
	ALL BREEDS	1954	1	11840	3.9	461	1	15570	580			
		1955	7	9214	4.3	391	5	11932	446	3	7688	290
		1956	9	7866	4.2	325	6	10738	392	4	7897	306
		1957	7	11527	4.0	441	5	14492	491	2	9102	348
		1958	7	15579	3.8	569	7	14520	542	2	10944	405
		1959	14	16945	3.7	618	14	16459	614	1	11772	505
1960		20	15236	3.7	560	20	15165	555				
004	HOLSTEIN	1954	8	12780	3.6	464	7	13809	511			
		1955	18	12252	3.7	456	15	12757	474	1	7652	292
		1956	8	13381	3.6	467	6	13330	487	3	11569	431
		1957	9									

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
001	ALL BREEDS	1958	10	13070	3.7	488	9	13914	513	5	12313	456
		1959	12	14362	3.7	531	11	14337	529	7	12675	548
		1960	3	10730	3.6	390	3	10620	398	2	13342	497
		1954	8	12780	3.6	464	7	13809	511			
		1955	18	12252	3.7	456	15	12757	474	1	7652	292
		1956	8	13381	3.6	469	6	13336	487	3	11569	431
		1957	9	13191	3.8	495	7	13206	485	1	6278	237
		1958	10	13070	3.7	488	9	13914	513	5	12313	456
	GUERNSEY	1959	12	14362	3.7	531	11	14337	529	7	12675	548
		1960	3	10730	3.6	390	3	10620	398	2	13342	497
		1953	2	9050	5.6	507						
		1954	3	8237	4.9	406						
		1955	4	8938	5.4	469	1	12070	632			
		1956	3	10583	5.2	545	1	11080	529			
		1957	3	11303	4.9	553	1	10430	473			
		1958	1	10100	5.0	500						
005	HOLSTEIN	1959	2	8420	4.8	400	2	9035	444	1	9505	456
		1948	6	13432	3.7	498						
		1949	10	16056	3.7	588						
		1950	11	15004	3.7	555						
		1952	6	14440	3.8	555						
		1953	10	15320	3.6	551						
		1954	4	13008	3.5	448	3	13313	463	1	13440	440
		1955	18	12557	3.7	466	17	11799	421	13	11679	419
	JERSEY	1956	31	13325	3.7	493	24	13355	489	21	12077	450
		1957	31	13673	3.8	512	25	13987	507	24	12384	458
		1958	53	13901	3.8	529	40	13198	500	36	12617	479
		1959	87	13737	3.8	523	76	13771	516	67	13595	515
		1960	9	12589	3.6	459	8	13065	470	5	12034	427
		1953	8	9890	5.5	544						
		1957	1	9930	5.6	553	1	9196	479			
		1958	4	8225	4.9	390	1	6920	376	1	7979	428
007	BROWN SWISS	1959	8	9544	5.5	518	7	9021	491	5	8960	474
		1953	3	10007	3.9	385	2	10250	430	1	11064	451
		1948	6	13432	3.7	498						
		1949	10	16056	3.7	588						
		1950	11	15004	3.7	555						
		1952	6	14440	3.8	555						
		1953	20	12521	4.6	544						
		1954	7	10963	4.1	430	3	13313	463	1	13440	440
	ALL BREEDS	1955	22	11899	4.0	467	18	11814	432	13	11679	419
		1956	34	13083	3.9	497	25	13264	490	21	12077	450
		1957	35	13363	3.9	517	27	13678	505	24	12384	458
		1958	58	13444	3.9	519	41	13045	497	37	12492	478
		1959	100	13184	4.0	516	67	13199	510	74		

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUO, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING	RECORDS	MILK	TEST	FAT	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
		YEAR	NO.	LB.	PCT.	LB.	RECORDS	MILK	FAT	RECORDS	MILK	FAT
							NO.	LB.	LB.	NO.	LB.	LB.
		1951	148	11984	4.2	488						
		1952	195	12360	4.1	490						
		1953	167	13377	3.9	508	1	9370	496			
		1954	19	15566	3.6	553	5	15806	566			
		1955	7	15597	3.6	553	7	16420	610			
		1956	5	13288	3.6	482	5	16668	616			
		1957	2	16085	3.2	511	2	17290	598			
		1959	2	18470	3.1	573	2	17255	614			
		1960	1	18400	3.3	610	1	17540	630			
008	GUERNSEY	1949	1	10250	5.4	551						
		1950	16	10010	5.3	521						
		1951	22	10290	5.1	518						
		1952	17	10305	5.0	504						
		1953	23	9737	5.1	498	3	11003	469			
		1954	18	9044	5.1	465	4	10130	423			
		1955	2	8400	5.2	435	2	12570	544			
		1956	2	8885	5.2	456						
		1957	1	7500	4.7	350						
		1958	3	9873	4.7	469	2	8110	386			
		1959	2	8920	5.2	460	2	8730	404			
	HOLSTEIN	1949	9	13244	4.1	548						
		1950	28	13644	4.3	561						
		1951	31	14355	4.2	604	1	9500	372			
		1952	60	12783	4.1	523	7	10006	401			
		1953	81	12750	4.0	512	18	10321	404			
		1954	69	11630	3.9	457	41	10922	429			
		1955	59	12114	3.7	444	58	11669	448			
		1956	40	12246	3.6	436	40	12218	457			
		1957	12	13119	3.6	468	11	13705	498			
		1958	8	14935	3.5	510	8	14364	522			
		1959	7	16684	3.6	592	7	15124	546			
		1960	1	11930	4.2	499	1	15900	562			
	JERSEY	1948	1	10720	4.5	481						
		1949	1	12220	4.7	580						
		1950	3	9553	4.9	471						
		1951	2	11005	5.0	541						
		1952	9	8294	5.6	461						
		1953	13	9162	5.5	503						
		1954	9	7676	5.4	408						
		1955	6	8547	5.5	460						
		1956	1	11440	5.0	574						
	ALL BREEDS	1948	1	10720	4.5	481						
		1949	11	12879	4.3	551						
		1950	47	12146	4.7	553						
		1951	55	12607	4.6	568	1	9500	372			
		1952	86	11824	4.4	513	7	10006	401			
		1953	117	11759	4.4	508	21	10418	413			
		1954	96	10918	4.2	454	45	10852	429			
		1955	67	11684	3.9	445	60	11700	451			
		1956	43	12071	3.7	441	40	12218	457			
		1957	13	12687	3.7	459	11	13705	498			
		1958	11	13555	3.8	499	10	13113	496			
		1959	9	14959	4.0	562	9	13703	514			
		1960	1	11930	4.2	499	1	15900	562			
009	GUERNSEY	1949	1	9740	5.2	505						
		1950	1	8600	4.8	417						
		1951	2	9005	5.1	456	1	14330	521			
		1952	4	8725	5.0	432	1	13730	529			
		1953	4	9233	4.9	453	2	11765	527			
		1954	4	7690	5.1	395	1	13360	527			
		1955	4	8813	4.8	415	1	8110	361			
		1956	1	8770	4.6	399						
	HOLSTEIN	1948	8	12691	3.6	457						
		1949	14	13129	3.6	470						
		1950	34	12013	3.7	442	4	15033	555			
		1951	24	11369	3.6	412	3	12957	515			
		1952	8	11169	3.5	398	3	12733	463			
		1953	1	18110	3.5	631	1	12210	465			
		1954	2	12645	3.6	456	2	13120	478			
		1955	1	13810	3.4	471	1	15240	587			
	JERSEY	1947	5	9886	5.1	506						
		1948	5	9644	5.3	508						
		1949	7	9591	5.4	513						
		1950	13	7384	5.3	385						
		1951	7	7099	5.4	380						
		1952	1	8550	5.4	462						
		1953	2	8785	5.7	502	2	9325	487			
		1954	1	8990	5.6	505	1	10160	550			

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE	RECORDS NO.	MILK LB.	FAT LB.
							RECORDS NO.	MILK LB.	FAT LB.				
		1955	2	7070	5.9	415	2	7580	424		2	8208	442
		1956	1	4970	5.4	267	1	10320	552		1	8927	498
		1957	1	7740	5.5	423	1	10250	562		1	9320	502
	ALL BREEDS	1947	5	9886	5.1	506							
		1948	13	11519	4.2	476							
		1949	22	11849	4.2	485							
		1950	48	10688	4.1	426	4	15033	555				
		1951	33	10320	4.1	408	4	13300	516				
		1952	13	10215	4.1	413	4	12983	480				
		1953	7	10373	4.9	493	5	10878	498				
		1954	7	9291	4.8	428	4	12440	508				
		1955	7	9029	4.9	423	4	9628	449	2	8208	442	
		1956	2	6870	5.0	334	1	10320	552	1	8927	498	
		1957	1	7740	5.5	423	1	10250	562	1	9320	502	
010	GUERNSEY	1954	1	9300	4.8	449							
		1955	1	5050	4.9	246							
	HOLSTEIN	1955	11	11268	3.6	402	11	11965	438				
		1956	6	11467	3.7	416	6	11367	415				
		1957	1	17210	3.7	636	1	15290	572				
		1958	10	16157	3.5	558	10	15276	546				
		1959	7	16849	3.6	601	7	15174	548				
	ALL BREEDS	1954	1	9300	4.8	449							
		1955	12	10750	3.7	389	11	11965	438				
		1956	6	11467	3.7	416	6	11367	415				
		1957	1	17210	3.7	636	1	15290	572				
		1958	10	16157	3.5	558	10	15276	546				
		1959	7	16849	3.6	601	7	15174	548				
075	GUERNSEY	1955	8	8294	4.8	396	4	9493	434	2	10562	460	
		1956	9	8047	5.0	399	6	8032	388	5	7536	365	
		1957	27	7979	4.7	376	18	9403	415	21	9106	411	
		1958	37	8421	4.7	395	33	9375	420	28	9176	415	
		1959	32	7850	4.9	380	30	9012	410	23	9603	436	
		1960	7	8369	4.9	404	7	9235	411	6	8618	408	
	HOLSTEIN	1958	8	13003	3.6	468	6	14498	519	2	13462	514	
		1959	22	14399	3.7	523	19	14418	529	16	14674	535	
		1960	4	13055	3.4	438	4	14410	486	3	13211	458	
	JERSEY	1952	8	7973	5.1	405	3	8203	426				
		1953	42	9091	5.1	466	15	8189	438	6	8630	450	
		1954	52	8329	5.2	435	23	8057	417	21	7867	400	
		1955	55	8456	5.2	439	27	8301	427	25	7960	413	
		1956	34	8971	5.3	480	15	8861	465	14	8007	427	
		1957	26	8570	5.2	448	18	8852	451	16	8506	436	
		1958	36	8106	5.4	439	17	8866	456	8	8285	422	
		1959	43	9337	5.2	484	30	8897	465	29	9061	475	
		1960	16	9601	5.5	524	13	9098	480	7	8595	456	
	ALL BREEDS	1952	8	7973	5.1	405	3	8203	426				
		1953	42	9091	5.1	466	15	8189	438	8	8630	450	
		1954	52	8329	5.2	435	23	8057	417	21	7867	400	
		1955	63	8455	5.1	433	31	8455	428	27	8153	416	
		1956	43	8777	5.2	463	21	8624	443	19	7883	411	
		1957	53	8269	5.0	411	36	9128	433	39	8829	422	
		1958	81	8734	4.9	422	56	9769	442	36	9214	421	
		1959	97	9994	4.7	458	79	10268	460	68	10565	476	
		1960	27	9793	5.0	480	24	10023	461	16	9469	438	

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY AV.			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
001	HOLSTEIN	1956	1	7770	3.2	247						
	ALL BREEDS	1956	1	7770	3.2	247						
007	HOLSTEIN	1952	8	11930	4.3	513						
		1953	3	11760	3.6	426						
	ALL BREEDS	1952	8	11930	4.3	513						
		1953	3	11760	3.6	426						

TABLE 10.--AVERAGE OF THE RECORDS OF DAUGHTERS OF SIRES IN SERVICE IN ARTIFICIAL BREEDING ORGANIZATIONS--
GROUPED BY STUD, BY BREED, BY YEAR OF FRESHENING

STUD	BREED	FRESHENING YEAR	RECORDS NO.	MILK LB.	TEST PCT.	FAT LB.	305-DAY CONTEMPORARY			YEARLY HERD AVERAGE		
							RECORDS NO.	MILK LB.	AV. FAT LB.	RECORDS NO.	MILK LB.	FAT LB.
001	HOLSTEIN	1953	1	13310	3.4	456						
		1954	2	12855	3.8	482						
		1955	1	9940	3.4	335						
		1956	4	12565	3.6	454	1	6840	293			
		1957	6	13997	3.6	499	1	13910	497			
		1958	7	13606	3.8	528	4	10220	417			
		1959	7	14053	3.6	513	6	12158	469			
	ALL BREEDS	1953	1	13310	3.4	456	7	12733	502			
		1954	2	12855	3.8	482	7	13806	516			
		1955	1	9940	3.4	335						
		1956	4	12565	3.6	454	1	6840	293			
		1957	6	13997	3.6	499	1	13910	497			
		1958	7	13806	3.8	528	4	10220	417			
		1959	7	14053	3.6	513	6	12158	469			





